

GenCore version 5.1.7
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Om nucleic - nucleic search, using sw model

Run on:

February 7, 2006, 11:06:42 ; Search time 135 Seconds
(without alignments)
329.178 Million cell updates/sec

Title:

US-10-613-390B-1

Perfect score:

25 tattaaaggggctggcccttaata 25

Scoring table:

IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched:

1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters:

1427136

Minimum DB seq length: 0

Maximum DB seq length: 100

Post-processing:

Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patients NA:*

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2: /cgnt_6/prodata/1/ina/5_COMB.seq:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
C 1	17.4	69.6	25 3	US-09-396-196G-116728
C 2	15.8	63.2	25 3	US-09-396-196G-116728
C 3	14.8	59.2	25 3	US-09-396-196G-86335
C 4	14.4	57.6	70 2	US-08-434-001-117
C 5	14.4	57.6	70 2	US-08-433-525-117
C 6	14.4	57.6	70 2	US-08-433-525-117
C 7	14.4	57.6	70 2	US-08-434-425-117
C 8	14.4	57.6	70 2	US-08-437-657-117
C 9	14.4	57.6	70 3	US-08-906-957-117
C 10	14.4	57.6	70 3	US-08-945-999-117
C 11	14.4	57.6	70 3	US-09-296-002A-117
C 12	14.4	57.6	70 3	US-07-739-117
C 13	14.4	57.6	70 6	PCT-US6-06160-117
C 14	14.2	56.8	25 3	US-09-396-196G-26177
C 15	14.2	56.8	49 2	US-08-171-319-405
C 16	14.2	56.8	49 2	US-08-171-319-405
C 17	14.2	56.8	49 2	US-08-123-936-405
C 18	14.2	56.8	49 2	US-08-123-936-405
C 19	14.2	56.8	49 2	US-08-475-228A-405
C 20	14.2	56.8	49 2	US-08-475-228A-405
C 21	14.2	56.8	49 3	US-08-482-000A-405
C 22	14.2	56.8	49 3	US-08-482-000A-405
C 23	14.2	56.8	49 3	US-09-354-917-405
C 24	14.2	56.8	49 3	US-09-354-917-405

ALIGMENTS

```
RESULT 1
US-09-396-196G-116728/C
; Sequence 116728, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396,196G
; CURRENT FILING DATE: 1999-09-15
; PRIORITY FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 116728
; LENGTH: 25
; TYPE: DNA
; ORGANISM: mus musculus
US-09-396-196G-116728

Query Match 69.6%; Score 17.4; DB 3; Length 25;
Best Local Similarity 94.7%; Pred. No. 17; Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QD 6 AGGGGCCTGGCCCTTAAT 24
Db 25 AGGGGCCTGGCCCTTAAT 7

RESULT 2
US-09-396-196G-116728
; Sequence 116728, Application US/09396196G
; Parent No. 6821724
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396,196G
; CURRENT FILING DATE: 1999-09-15
; PRIORITY APPLICATION NUMBER: 60/100,678
; PRIORITY FILING DATE: 1998-09-17
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NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 116728
; LENGTH: 25
; TYPE: DNA
; ORGANISM: mus musculus
; US-09-396-196G-116728

Query Match 63.2%; Score 15.8; DB 3; Length 25;
; Best Local Similarity 89.5%; Pred. No. 1.2e+02;
; Matches 17; Conservative 0; Mismatches 2;
; Indels 0; Gaps 0;

Qy 2 ATTAAGGGCGCTGGCCCT 20
Db 7 ATTAAGGGCGCTGGCCCT 25

RESULT 3
US-09-396-196G-86335
; Sequence 86335, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396,196G
; CURRENT FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 86335
; LENGTH: 25
; TYPE: DNA
; ORGANISM: mus musculus
; US-09-396-196G-86335

Query Match 59.2%; Score 14.8; DB 3; Length 25;
; Best Local Similarity 88.9%; Pred. No. 3.7e+02;
; Matches 16; Conservative 0; Mismatches 2;
; Indels 0; Gaps 0;

Qy 5 AAGGGGCTGGCCCTTA 22
Db 7 AAGAGGCCGTGGCACTTA 24

RESULT 4
US-09-396-196G-86336
; Sequence 86336, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396,196G
; CURRENT FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127805
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 86336
; LENGTH: 25
; TYPE: DNA
; ORGANISM: mus musculus
; US-09-396-196G-86336

Query Match 57.6%; Score 14.4; DB 2; Length 70;
; Best Local Similarity 75.0%; Pred. No. 7.3e+02;
; Matches 18; Conservative 0; Mismatches 6;
; Indels 0; Gaps 0;

Qy 2 ATTAAGGGCGCTGGCCCTATA 25
Db 60 ATTAAGGGCGCTGGAGCTTACAA 37

RESULT 5
US-08-434-001-117/c
; Sequence 117, Application US/08434001
; Patent No. 5712375
; GENERAL INFORMATION:
; APPLICANT: JENSEN, KIRK
; APPLICANT: -CHEN, HANG
; APPLICANT: MORRIS, KEVIN
; APPLICANT: STEPHENS, ANDREW
; APPLICANT: GOLD, LARRY
; TITLE OF INVENTION: SYSTEMATIC EVOLUTION OF LIGANDS BY
; TITLE OF INVENTION: EXPONENTIAL ENRICHMENT: TISSUE
; NUMBER OF SEQUENCES: 235
; CORRESPONDENCE ADDRESS:
; ADDRESSEES: Swanson & Bratschun, L.L.C.
; STREET: 8400 B. Prentice Avenue, Suite 200
; CITY: Englewood
; STATE: Colorado
; COUNTRY: USA
; ZIP: 80111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3 1/2 diskette, 1.44 MB
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/434,001
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/714,131
; FILING DATE: 10-JUNE-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/536,428
; FILING DATE: 11-JUNE-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/964,624
; FILING DATE: 21-OCTOBER-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Barry J. Swanson
; REGISTRATION NUMBER: 33,215
; REFERENCE/DOCKET NUMBER: NEX30.3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (303) 793-3333
; TELEFAX: (303) 793-3433
; INFORMATION FOR SEQ ID NO: 117:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 70 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-434-001-117

Query Match 57.6%; Score 14.4; DB 2; Length 70;
; Best Local Similarity 75.0%; Pred. No. 7.3e+02;
; Matches 18; Conservative 0; Mismatches 6;
; Indels 0; Gaps 0;

Qy 2 ATTAAGGGCGCTGGCCCTATA 25
Db 60 ATTAAGGGCGCTGGAGCTTACAA 37

RESULT 6
US-08-433-585-117/c

; Sequence 117, Application US/08433585
; Patent No. 573556
; GENERAL INFORMATION:
; APPLICANT: JENSEN, KIRK
; APPLICANT: CHEN, HANG
; APPLICANT: MORRIS, KEVIN
; APPLICANT: STEPHENS, ANDREW
; APPLICANT: GOLD, LARRY
; TITLE OF INVENTION: SYSTEMATIC EVOLUTION OF LIGANDS BY
; TITLE OF INVENTION: EXPONENTIAL ENRICHMENT: TISSUE
; TITLE OF INVENTION: SELEX
; NUMBER OF SEQUENCES: 235
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Swanson & Bratschun, L.L.C.
; STREET: 8400 E. Prentice Avenue, Suite 200
; CITY: Englewood
; STATE: Colorado
; COUNTRY: USA
; ZIP: 80111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3 1/2 diskette, 1.44 MB
; COMPUTER: IBM pc compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/433,585
; FILING DATE: 07-JUNE-1991
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 07/714,131
; FILING DATE: 10-JUNE-1991
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 07/536,428
; FILING DATE: 11-JUNE-1990
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 07/964,624
; FILING DATE: 21-OCTOBER-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Barry J. Swanson
; REGISTRATION NUMBER: 33,215
; REFERENCE/DOCKET NUMBER: NEX30.4
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (303) 793-3333
; TELEX/FAX: (303) 793-3433
; INFORMATION FOR SEQ ID NO: 117:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 70 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-433-585-117
; Query Match 57.6%; Score 14.4%; DB 2; Length 70;
; Best Local Similarity 75.0%; Pred. No. 7.3e+02;
; Matches 18; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
; Qy 2 ATTAAGGGCTGGCCCTTATA 25
; Db 60 AATAAGGGCTGGAGCTTTACA 37
; RESULT 7
; US-08-434-425-117/C
; Sequence 117, Application US/08434425
; Patent No. 5789157
; GENERAL INFORMATION:
; APPLICANT: JENSEN, KIRK
; APPLICANT: CHEN, HANG
; APPLICANT: MORRIS, KEVIN
; APPLICANT: STEPHENS, ANDREW
; APPLICANT: GOLD, LARRY
; TITLE OF INVENTION: SYSTEMATIC EVOLUTION OF LIGANDS BY
; TITLE OF INVENTION: EXPONENTIAL ENRICHMENT: TISSUE
; NUMBER OF SEQUENCES: 235
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Swanson & Bratschun, L.L.C.
; STREET: 8400 E. Prentice Avenue, Suite 200
; CITY: Englewood
; STATE: Colorado
; COUNTRY: USA
; ZIP: 80111
; COMPUTER READABLE FORM:
; TITLE OF INVENTION: SELEX
; NUMBER OF SEQUENCES: 235
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Swanson & Bratschun, L.L.C.
; STREET: 8400 E. Prentice Avenue, Suite 200
; CITY: Englewood
; STATE: Colorado
; COUNTRY: USA
; ZIP: 80111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3 1/2 diskette, 1.44 MB
; COMPUTER: IBM pc compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/434,425
; FILING DATE: 07-JUNE-1991
; CLASSIFICATION: 536
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 07/714,131
; FILING DATE: 10-JUNE-1991
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 07/536,428
; FILING DATE: 11-JUNE-1990
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 07/964,624
; FILING DATE: 21-OCTOBER-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Barry J. Swanson
; REGISTRATION NUMBER: 33,215
; REFERENCE/DOCKET NUMBER: NEX30.1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (303) 793-3333
; TELEX/FAX: (303) 793-3433
; INFORMATION FOR SEQ ID NO: 117:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 70 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-434-425-117
; Query Match 57.6%; Score 14.4%; DB 2; Length 70;
; Best Local Similarity 75.0%; Pred. No. 7.3e+02;
; Matches 18; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
; Qy 2 ATTAAGGGCTGGCCCTTATA 25
; Db 60 AATAAGGGCTGGAGCTTTACA 37
; RESULT 8
; US-08-437-667-117/C
; Sequence 117, Application US/08437667
; Patent No. 5864026
; GENERAL INFORMATION:
; APPLICANT: JENSEN, KIRK
; APPLICANT: CHEN, HANG
; APPLICANT: MORRIS, KEVIN
; APPLICANT: STEPHENS, ANDREW
; APPLICANT: GOLD, LARRY
; TITLE OF INVENTION: SYSTEMATIC EVOLUTION OF LIGANDS BY
; TITLE OF INVENTION: EXPONENTIAL ENRICHMENT: TISSUE
; NUMBER OF SEQUENCES: 235
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Swanson & Bratschun, L.L.C.
; STREET: 8400 E. Prentice Avenue, Suite 200
; CITY: Englewood
; STATE: Colorado
; COUNTRY: USA
; ZIP: 80111
; COMPUTER READABLE FORM:

TELECOMMUNICATION INFORMATION:
 TELEPHONE: (303) 793-3333
 TELEX/FAX: (303) 793-3433
 INFORMATION FOR SEQ ID NO: 117:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 70 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: Single
 TOPOLOGY: linear

US-08-945-909-117

Query Match 57.6%; Score 14.4; DB 3; Length 70;
 Best Local Similarity 75.0%; Pred. No. 7.3e+02; Mismatches 18;
 Matches 18; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 2 ATTAAGGGCTGGCCCTTAATA 25
 Db 60 ATTAAGGGCTGGAGCTTTAACA 37

RESULT 11

US-09-396-002A-117/C

Sequence 117, Application US/09396002A

Patent No. 6316474

GENERAL INFORMATION:

APPLICANT: HEILIG, JOSEPH S.

GOLD, LARRY

TITLE OF INVENTION: SYSTEMATIC EVOLUTION OF LIGANDS BY EXPONENTIAL ENRICHMENT: TISSUE SELEX

NUMBER OF SEQUENCES: 240

CORRESPONDENCE ADDRESS:

ADDRESSEE: Swanson & Bratschun, L.L.C.

STREET: 1745 Shea Center Drive, Suite 330

CITY: Highlands Ranch

STATE: Colorado

COUNTRY: USA

ZIP: 80129

COMPUTER READABLE FORM: COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3 1/2 diskette, 1.44 MB

COMPUTER: IBM PC compatible

OPERATING SYSTEM: MS-DOS

SOFTWARE: WordPerfect 8.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/396,002A

APPLICATION NUMBER: 09/396,002

QY 2 ATTAAGGGCTGGCCCTTAATA 25
 DB 60 ATTAAGGGCTGGAGCTTTAACA 37

RESULT 12

US-10-077-319-117/C

Sequence 117, Application US/10077319

PATENT NO. 6613526

GENERAL INFORMATION:

APPLICANT: HEILIG, JOSEPH S.

GOLD, LARRY

TITLE OF INVENTION: SYSTEMATIC EVOLUTION OF LIGANDS BY EXPONENTIAL ENRICHMENT: TISSUE SELEX

NUMBER OF SEQUENCES: 240

CORRESPONDENCE ADDRESS:

ADDRESSEE: Swanson & Bratschun, L.L.C.

STREET: 1745 Shea Center Drive, Suite 330

CITY: Highlands Ranch

STATE: Colorado

COUNTRY: USA

ZIP: 80129

COMPUTER READABLE FORM: COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3 1/2 diskette, 1.44 MB

COMPUTER: IBM PC compatible

OPERATING SYSTEM: MS-DOS

SOFTWARE: WordPerfect 8.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/077,319

APPLICATION NUMBER: 10-Feb-2002

FILING DATE: 14-FEB-2002

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/396,002

RESULT 13

US-10-077-319-117

Sequence 117, Application PC/10US9606060

GENERAL INFORMATION:

APPLICANT: JENSEN, KIRK

APPLICANT: CHEN, HANG

APPLICANT: MORRIS, KEVIN

APPLICANT: STEPHENS, ANDREW

APPLICANT: GOLD, LARRY
 TITLE OF INVENTION: SYSTEMATIC EVOLUTION OF LIGANDS BY EXPONENTIAL ENRICHMENT: TISSUE
 TITLE OF INVENTION: EXPONENTIAL ENRICHMENT: TISSUE
 NUMBER OF SEQUENCES: 240
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Swanson & Bratschun, L.L.C.
 STREET: 8400 E. Prentice Avenue, Suite 200
 CITY: Englewood
 STATE: Colorado
 COUNTRY: USA
 ZIP: 80111
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette, 3 1/2 diskette, 1.44 MB
 COMPUTER: IBM PC-compatible
 OPERATING SYSTEM: MS-DOS
 SOFTWARE: Wordperfect 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: 07/714,131
 FILING DATE: 10-JUNE-1991
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 07/536,428
 FILING DATE: 11-JUNE-1990
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 07/364,624
 FILING DATE: 21-OCTOBER-1992
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/434,425
 FILING DATE: 05-MAY-1995
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/437,667
 FILING DATE: 05-MAY-1995
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/434,001
 FILING DATE: 05-MAY-1995
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/433,585
 FILING DATE: 05-MAY-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Barry J. Swanson
 REGISTRATION NUMBER: 33-215
 REFERENCE/DOCKET NUMBER: NEX30/PCT
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (303) 793-3333
 TELEFAX: (303) 793-3433
 INFORMATION FOR SEQ ID NO: 117:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 70 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 PCT-US96-06060-17

Query Match 57.6%; Score 14.4%; DB 6; Length 70;
 Best Local Similarity 75.0%; Pred. No. 7,3e+02;
 Matches 18; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Oy	2	ATTAAGGGGCTGAGCCCTTATA	25
Db	60	AATTAAGGCCTGAGCTTACA	37

RESULT 14
 US-09-396-196G-26177
 Sequence 26177, Application US/09396196G
 Patent No. 6821724
 GENERAL INFORMATION:
 APPLICANT: Michael Mittmann
 ATTORNEY: David Mack

APPLICANT: David Lockhart
 APPLICANT: Affymetrix, Inc.
 TITLE OF INVENTION: Methods of Genetic Analysis
 FILE REFERENCE: 3101.1
 CURRENT APPLICATION NUMBER: US/09/396,196G
 CURRENT FILING DATE: 1999-08-15
 PRIORITY APPLICATION NUMBER: 60/100,678
 PRIOR FILING DATE: 1998-09-17
 NUMBER OF SEQ ID NOS: 127806
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 26177
 LENGTH: 25
 TYPE: DNA
 ORGANISM: Mus musculus
 US-09-396-196G-26177

Query Match 56.8%; Score 14.2; DB 3; Length 25;
 Best Local Similarity 84.2%; Pred. No. 7,6e+02; Indels 0; Gaps 0;
 Matches 16; Conservative 0; Mismatches 3;
 QY 3 TTAGGGGCTGAGCCCT 21
 Db 1 TTACGGGCTGAGCCT 19

RESULT 15
 US-09-171-399-405
 Sequence 405, Application US/08171389
 Patent No. 5576444
 GENERAL INFORMATION:
 APPLICANT: Edwards, Cynthia A.
 APPLICANT: Cantor, Charles R.
 APPLICANT: Andrews, Beth M.
 APPLICANT: Turin, Lisa M.
 APPLICANT: FRY, Kirk E.
 TITLE OF INVENTION: Sequence-directed DNA Binding Methods
 NUMBER OF SEQUENCES: 641
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genelabs Technologies, Inc.
 STREET: 505 Panobacot Drive
 CITY: Redwood City
 STATE: CA
 COUNTRY: USA
 ZIP: 94063
 COMPUTER READABLE FORM:
 MEDIUM TYPE: FLOPPY disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/171,389
 FILING DATE:
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/123,936
 FILING DATE: 17-SEP-1993
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 07/996,783
 FILING DATE: 23-DEC-1992
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 07/723,618
 FILING DATE: 27-JUN-1991
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/081,070
 FILING DATE: 22-JUN-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Fabian, Gary R.
 REGISTRATION NUMBER: 33-875
 REFERENCE/DOCKET NUMBER: 4600-0175/G19P3
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 324-0980
 TELEFAX: (415) 324-0960

INFORMATION FOR SEQ ID NO: 405:
SEQUENCE CHARACTERISTICS:
LENGTH: 49 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: Human adenosine deaminase gene
US-08-171-389-405

Query Match 56.8%; Score 14.2; DB 2; Length 49;
Best Local Similarity 84.2%; Prcd: No. 8.7e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 7 GGGCCCTTGCCCTTATA 25
Db 10 GGGCCCGGCGTAA 28

Search completed: February 7, 2006, 12:09:00
Job time : 136 secs

GenCore version 5.1.7
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Om nucleic - nucleic search, using sw model

Run on: February 7, 2006, 12:09:14 ; Search time 406 Seconds
 (without alignments)
 51.606 Million cell updates/sec

Title: US-10-613-390B-1
Perfect score: 25
Sequence: 1 tattaaaggggcttggccctaata 25
Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext: 1.0
Searched: 6068529 seqs, 419036697 residues
Total number of hits satisfying chosen parameters: 11614816
Minimum DB seq length: 0
Maximum DB seq length: 100

Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing first 45 summaries

Database : Published Applications NA New:
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 3: /cgnd_6/prodata/2/pubpna/us07 NEW PUB.seq: *
 4: /cgnd_6/prodata/2/pubpna/pct NEW PUB.seq: *
 5: /cgnd_6/prodata/2/pubpna/us09 NEW PUB.seq: *
 6: /cgnd_6/prodata/2/pubpna/us10 NEW PUB.seq: *
 7: /cgnd_6/prodata/2/pubpna/us10 NEW PUB.seq: *
 8: /cgnd_6/prodata/2/pubpna/us11 NEW PUB.seq: *
 9: /cgnd_6/prodata/2/pubpna/us11 NEW PUB.seq: *
 10: /cgnd_6/prodata/2/pubpna/us11 NEW PUB.seq: *
 11: /cgnd_6/prodata/2/pubpna/us60 NEW PUB.seq: *

Pred No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
c 1	16	64.0	23 7	US-10-310-914A-1296097 Sequence 1296097,
c 2	15.8	63.2	21 7	US-10-310-914A-621697 Sequence 621697,
c 3	15.4	61.6	21 7	US-10-310-914A-679212 Sequence 679212,
c 4	15.4	61.6	24 7	US-10-310-914A-679219 Sequence 679219,
c 5	15	60.0	19 7	US-10-310-914A-627249 Sequence 627249,
c 6	15	60.0	25 8	US-11-121-849-42167 Sequence 42167_A
c 7	14.8	59.2	25 7	US-10-310-914A-626090 Sequence 626090,
c 8	14.6	58.4	25 8	US-11-121-849-615428 Sequence 615428,
c 9	14.4	57.6	18 7	US-10-310-914A-1160660 Sequence 1160660,
c 10	14.4	57.6	20 7	US-10-310-914A-236069 Sequence 236069,
c 11	14.4	57.6	21 7	US-10-310-914A-535269 Sequence 535269,
c 12	14.4	57.6	21 7	US-10-310-914A-535269 Sequence 535269,
c 13	14.4	57.6	23 7	US-10-310-914A-1296097 Sequence 1296097,
c 14	14.4	57.6	26 7	US-10-310-914A-115344 Sequence 115344,
c 15	14.2	56.8	19 9	US-11-101-244-1315095 Sequence 1315095,
c 16	14.2	56.8	19 9	US-11-101-244-1315095 Sequence 1315095,
c 17	14.2	56.8	21 7	US-10-310-914A-621697 Sequence 621697,
c 18	14.2	56.8	22 7	US-10-310-914A-1192905 Sequence 1192905,
c 19	14.2	56.8	25 8	US-11-121-849-518738 Sequence 518738,
c 20	14.2	56.8	25 8	US-11-121-849-518738 Sequence 518738,
c 21	13.8	55.2	19 7	US-10-310-914A-930748 Sequence 990748,
c 22	13.8	55.2	21 7	US-10-310-914A-679212 Sequence 679212,

ALIGNMENTS

c 23	13.8	55.2	23 7	US-10-310-914A-860902 Sequence 860902,
c 24	13.8	55.2	24 7	US-10-310-914A-679219 Sequence 679219,
c 25	13.8	55.2	25 7	US-10-310-914A-132574 Sequence 132574,
c 26	13.8	55.2	25 8	US-11-121-849-28266 Sequence 28266, A
c 27	13.8	55.2	25 8	US-11-121-849-38739 Sequence 38739, A
c 28	13.8	55.2	25 8	US-11-121-849-299363 Sequence 299363,
c 29	13.8	55.2	25 8	US-11-121-849-299364 Sequence 299364,
c 30	13.8	55.2	25 8	US-11-121-849-299365 Sequence 299365,
c 31	13.8	55.2	25 8	US-11-121-849-450067 Sequence 450067,
c 32	13.8	55.2	25 8	US-11-121-849-51431 Sequence 51431,
c 33	13.8	55.2	25 8	US-11-136-527-260490 Sequence 260490,
c 34	13.8	55.2	25 8	US-11-136-527-260502 Sequence 260502,
c 35	13.8	55.2	25 8	US-11-136-527-299906 Sequence 299906,
c 36	13.8	54.4	20 7	US-10-310-914A-915730 Sequence 915730,
c 37	13.6	54.4	21 7	US-10-310-914A-1053611 Sequence 1053611,
c 38	13.6	54.4	22 7	US-10-310-914A-117125 Sequence 117125,
c 39	13.6	54.4	25 7	US-10-310-914A-958810 Sequence 958810, A
c 40	13.6	54.4	25 7	US-10-310-914A-713535 Sequence 713535,
c 41	13.6	54.4	25 8	US-11-121-849-95350 Sequence 95350, A
c 42	13.6	54.4	25 8	US-11-121-849-22815 Sequence 22815,
c 43	13.6	54.4	25 8	US-11-121-849-42329 Sequence 42329,
c 44	13.6	54.4	25 8	US-11-121-849-442329 Sequence 442329,
c 45	13.6	54.4	25 8	US-11-121-849-613025 Sequence 613025,

RESULT 1
 US-10-310-914A-1296097/c
 ; Sequence 1296097, Application US/10310914A
 ; Publication No. US2006003322A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Bentwich, Isaac
 ; APPLICANT: Shiler, Krutz
 ; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and their use thereof
 ; FILE REFERENCE: 06087.0200.CPUS01
 ; CURRENT APPLICATION NUMBER: US/10/310,914A
 ; CURRENT FILING DATE: 2005-12-06
 ; NUMBER OF SEQ ID NOS: 1388402
 ; SOFTWARE: Patentin version 3.3
 ; SEQ ID NO: 1296097
 ; LENGTH: 23
 ; TYPE: RNA
 ; ORGANISM: Human
 ; US-10-310-914A-1296097

Query Match Similarity 100.0%; Pred. No. 1.5e+02; DB 7; Length 23;
 Best Local Similarity 100.0%; Pred. No. 1.5e+02; DB 7; Length 23;
 Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 2
 US-10-310-914A-621697
 ; Sequence 621697, Application US/10310914A
 ; Publication No. US2006003322A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Bentwich, Isaac
 ; APPLICANT: Shiler, Krutz
 ; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and their use thereof
 ; TITLE OF INVENTION: uses thereof
 ; FILE REFERENCE: 06087.0200.CPUS01
 ; CURRENT APPLICATION NUMBER: US/10/310,914A
 ; CURRENT FILING DATE: 2005-12-06
 ; NUMBER OF SEQ ID NOS: 1388402
 ; SOFTWARE: Patentin version 3.3
 ; SEQ ID NO: 621697
 ; LENGTH: 21

RESULT 3
US-10-310-914A-679212/C
; Sequence 679212, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
; APPLICANT: Bentwich, Isaac
; APPLICANT: Shiler, Krutz
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
; TITLE OF INVENTION: uses thereof
; TITLE OF INVENTION: uses thereof
; FILE REFERENCE: 06087_0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310,914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 1388402
; SOFTWARE: Patentin version 3.3
SEQ ID NO 679212
LENGTH: 21
TYPE: RNA
ORGANISM: Human
US-10-310-914A-679212
Query Match 63 2%; Score 15.8; DB 7; Length 21;
Best Local Similarity 78.9%; Pred. No. 1.8e-02; Mismatches 2; Indels 0; Gaps 0;
Matches 15; Conservative 2; Mismatches 2;
Qy 5 AAGGGCCCTGGCCCTAA 23
Db 1 AAGGCCCTGGCCCAA 19

RESULT 4
US-10-310-914A-679219/C
; Sequence 679219, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
; APPLICANT: Bentwich, Isaac
; APPLICANT: Bentwich, Isaac
; APPLICANT: Bentwich, Isaac
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
; TITLE OF INVENTION: uses thereof
; TITLE OF INVENTION: uses thereof
; FILE REFERENCE: 06087_0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310,914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 1388402
; SOFTWARE: Patentin version 3.3
SEQ ID NO 679219
LENGTH: 21
TYPE: RNA
ORGANISM: Human
US-10-310-914A-679212
Query Match 61.6%; Score 15.4; DB 7; Length 21;
Best Local Similarity 94.1%; Pred. No. 2.8e+02; Mismatches 1; Indels 0; Gaps 0;
Matches 16; Conservative 0; Mismatches 1;
Qy 4 TAAGGGCCCTGGCCCT 20
Db 21 TAAGGGCCCTGGCCACT 5

RESULT 5
US-11-121-849-42167
; Sequence 42167, Application US/11121849
; Publication No. US20050272080A1
; GENERAL INFORMATION:
; APPLICANT: John Palma
; TITLE OF INVENTION: Methods of Genetic Analysis of Formalin Fixed Paraffin Embedded
; FILE REFERENCE: 3684_1
; CURRENT APPLICATION NUMBER: US/11/121,849
; CURRENT FILING DATE: 2005-05-03
; PRIOR APPLICATION NUMBER: 60/567,949
; PRIOR FILING DATE: 2004-05-03
; NUMBER OF SEQ ID NOS: 673904
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 42167
LENGTH: 25
TYPE: DNA
ORGANISM: Homo sapien
US-11-121-849-42167
Query Match 60.0%; Score 15; DB 7; Length 19;
Best Local Similarity 86.7%; Pred. No. 4.3e+02; Mismatches 0; Indels 0; Gaps 0;
Matches 13; Conservative 2; Mismatches 0;
Qy 6 AAGGGCCCTGGCCCT 20
Db 5 AGGGGCCUGGGCCCU 19

RESULT 6
US-11-121-849-42167
; Sequence 42167, Application US/11121849
; Publication No. US20050272080A1
; GENERAL INFORMATION:
; APPLICANT: John Palma
; TITLE OF INVENTION: Methods of Genetic Analysis of Formalin Fixed Paraffin Embedded
; FILE REFERENCE: 3684_1
; CURRENT APPLICATION NUMBER: US/11/121,849
; CURRENT FILING DATE: 2005-05-03
; PRIOR APPLICATION NUMBER: 60/567,949
; PRIOR FILING DATE: 2004-05-03
; NUMBER OF SEQ ID NOS: 673904
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 42167
LENGTH: 25
TYPE: DNA
ORGANISM: Homo sapien
US-11-121-849-42167
Query Match 60.0%; Score 15; DB 8; Length 25;
Best Local Similarity 78.3%; Pred. No. 4.3e+02; Mismatches 5; Indels 0; Gaps 0;
Matches 18; Conservative 0; Mismatches 5;
Qy 1 TATAAAGGGCTGGCCCTAA 23
Db 1 TATAAAGGGCTGGCCCTTAA 23

RESULT 7
US-10-310-914A-760090/C
; Sequence 760090, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
; APPLICANT: Bentwich, Isaac
; APPLICANT: Shiler, Krutz
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
; TITLE OF INVENTION: uses thereof
; FILE REFERENCE: 06087_0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310,914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 1388402
; SOFTWARE: Patentin version 3.3
SEQ ID NO 760090
LENGTH: 25

RESULT 5
US-10-310-914A-627249
; Sequence 627249, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
; APPLICANT: Bentwich, Isaac
; APPLICANT: Shiler, Krutz
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
; TITLE OF INVENTION: uses thereof
; FILE REFERENCE: 06087_0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310,914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 1388402
; SOFTWARE: Patentin version 3.3
SEQ ID NO 627249
LENGTH: 19
TYPE: RNA
ORGANISM: Human
US-10-310-914A-627249
Query Match 60.0%; Score 15; DB 7; Length 19;
Best Local Similarity 86.7%; Pred. No. 4.3e+02; Mismatches 0; Indels 0; Gaps 0;
Matches 13; Conservative 2; Mismatches 0;
Qy 6 AAGGGCCCTGGCCCT 20
Db 5 AGGGGCCUGGGCCCU 19

RESULT 5
US-10-310-914A-679219
; Sequence 679219, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
; APPLICANT: Bentwich, Isaac
; APPLICANT: Shiler, Krutz
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
; TITLE OF INVENTION: uses thereof
; FILE REFERENCE: 06087_0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310,914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 1388402
; SOFTWARE: Patentin version 3.3
SEQ ID NO 679219
LENGTH: 25

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; TYPE: RNA
; ORGANISM: Human
; US-10-310-914A-760090
; Sequence 236069, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
; APPLICANT: Bentwich, Isaac
; APPLICANT: Shiler, Kvuzat
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes an
; TITLE OF INVENTION: uses thereof
; FILE REFERENCE: 06057.0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310,914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 1388402
; SOFTWARE: Patentin version 3.3
; SEQ ID NO 236069
; LENGTH: 20
; TYPE: RNA
; ORGANISM: Human
; US-10-310-914A-236069
; Sequence 615428, Application US/11121849
; Publication No. US20050272080A1
; GENERAL INFORMATION:
; APPLICANT: John Palma
; TITLE OF INVENTION: Methods of Genetic Analysis of Formalin Fixed Paraffin Embedded S
; TITLE OF INVENTION: Microarray
; FILE REFERENCE: 3684.1
; CURRENT APPLICATION NUMBER: US/11/121,849
; CURRENT FILING DATE: 2005-05-03
; PRIOR APPLICATION NUMBER: 60/567,949
; NUMBER OF SEQ ID NOS: 673904
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 615428
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
; US-11-121-849-615428
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; Best Local Similarity 81.0%; Pred. No. 6.6e+02; Mismatches 4; Indels 0; Gaps 0;
; Matches 17; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
; Qy 5 AAGGGGCTGTGCCCTTATA 25
; Db 25 ACCTTGCCCTGGCTTATTA 5
; RESULT 9
; US-10-310-914A-1160660
; Sequence 1160660, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
; APPLICANT: Bentwich, Isaac
; APPLICANT: Shiler, Kvuzat
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes an
; FILE REFERENCE: 06087.0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310,914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 1388402
; SOFTWARE: Patentin version 3.3
; SEQ ID NO 535246
; LENGTH: 21
; TYPE: RNA
; ORGANISM: Human
; US-10-310-914A-535246
; Query Match 57.6%; Score 14.4; DB 7; Length 20;
; Best Local Similarity 93.8%; Pred. No. 8.1e+02; Mismatches 1; Indels 0; Gaps 0;
; Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
; Qy 10 GCTCTGGCCCTTATA 25
; Db 16 GCTTGGCCCTTACA 1
; RESULT 11
; US-10-310-914A-535246
; Sequence 535246, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
; APPLICANT: Bentwich, Isaac
; APPLICANT: Shiler, Kvuzat
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes an
; FILE REFERENCE: 06087.0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310,914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 1388402
; SOFTWARE: Patentin version 3.3
; SEQ ID NO 535246
; LENGTH: 21
; TYPE: RNA
; ORGANISM: Human
; US-10-310-914A-535246
; Query Match 57.6%; Score 14.4; DB 7; Length 21;
; Best Local Similarity 81.2%; Pred. No. 8.1e+02; Mismatches 1; Indels 0; Gaps 0;
; Matches 13; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
; Qy 5 AAGGGGCTGTGCCCT 20
; Db 4 AAGAGGGCGGGCCCU 19
; RESULT 12
; US-10-310-914A-535246
; Sequence 535246, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
; APPLICANT: Bentwich, Isaac
; APPLICANT: Shiler, Kvuzat
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes an
; FILE REFERENCE: 06087.0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310,914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 1388402
; SOFTWARE: Patentin version 3.3
; SEQ ID NO 535246
; LENGTH: 21

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RESULT 10

RESULT 13
; Query Match 57.6%; Score 14.4; DB 7; Length 21;
; Best Local Similarity 81.2%; Pred. No. 8.1e+02; Mismatches 1;
; Matches 13; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
; Oy 5 AAGGGCCCTGGCCCT 20
; Db 6 AAGGGCCUGGCCCCU 21

RESULT 14
; Sequence 1296097, Application US/10310914A
; Publication No. US2005003322A1
; GENERAL INFORMATION:
; APPLICANT: Bentwich, Isaac
; APPLICANT: Shiller, Knuza
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
; TITLE OF INVENTION: uses thereof
; FILE REFERENCE: 06087.0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310,914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 1388402
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1296097
; LENGTH: 23
; TYPE: RNA
; ORGANISM: Human
; US-10-310-914A-1296097

Query Match 57.6%; Score 14.4; DB 7; Length 23;
; Best Local Similarity 81.2%; Pred. No. 8.2e+02; Mismatches 1; Indels 0; Gaps 0;
; Matches 13; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
; Oy 6 AGGGCCCTGGCCCTT 21
; Db 8 AGGGCCAGGCCCU 23

RESULT 14
; Sequence 1153244, Application US/10310914A
; Publication No. US2005003322A1
; GENERAL INFORMATION:
; APPLICANT: Bentwich, Isaac
; APPLICANT: Shiller, Knuza
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
; TITLE OF INVENTION: uses thereof
; FILE REFERENCE: 06087.0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310,914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 1388402
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1153244
; LENGTH: 26
; TYPE: RNA
; ORGANISM: Human
; US-10-310-914A-1153244

Query Match 57.6%; Score 14.4; DB 7; Length 26;
; Best Local Similarity 93.8%; Pred. No. 8.3e+02; Mismatches 1;
; Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
; Oy 1 TATTAAGGGCCCTGCG 16
; Db 21 TATTAGGGCCCTGCG 6

RESULT 15
; Sequence 1315095, Application US/11101244
; Publication No. US20050246794A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Kvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scarfone, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13490US
; CURRENT APPLICATION NUMBER: US/11/101,244
; CURRENT FILING DATE: 2005-04-07
; PRIOR APPLICATION NUMBER: 60/552,050
; PRIOR FILING DATE: 2003-07-10
; PRIOR APPLICATION NUMBER: 60/426,137
; NUMBER OF SEQ ID NOS: 1591911
; SEQ ID NO 1315095
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
; US-11-101-244-1315095

Query Match 56.8%; Score 14.2; DB 9; Length 19;
; Best Local Similarity 63.2%; Pred. No. 1e+03; Mismatches 3; Indels 0; Gaps 0;
; Matches 12; Conservative 4; Mismatches 3; Indels 0; Gaps 0;
; Oy 7 GGAGCTGTGCCCCATA 25
; Db 1 GGAGCCUGGCCUCUAGUA 19

Search completed: February 7, 2006, 12:29:26
Job time : 405 secs

us-10-613-390b-1.sblm100.rge

GenCore version 5.1.7
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Om nucleic - nucleic search, using sw model

Run on: February 7, 2006, 10:50:27 ; Search time 1992 Seconds

(without alignments) 713.397 Million cell updates/sec

Title: US-10-613-390B-1

Perfect score: 25

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Searched:

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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2: gb_in:
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6: gb_pat:
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8: gb_pr:
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KEYWORDS Homo sapiens (human)
 SOURCE Homo sapiens
 ORGANISM Homo sapiens
 REFERENCE 1
 AUTHORS Shimkets,R.A. and Leach,M.
 TITLE Nucleic acids containing single nucleotide polymorphisms and methods of use thereof
 JOURNAL Patent: WO 0147944-A 4715 05-JUL-2001;
 Curagen Corporation (US)
 FEATURES Location/Qualifiers
 source 1..50
 /organism="Homo sapiens"
 /mol_type="unassigned DNA"
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 misc_feature 1..26
 /notes="Nucleotide deleted between bases 25 and 26
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 Query Match 61.6%; Score 15.4; DB 6; Length 50;
 Best Local Similarity 94.1%; Pred. No. 4.5e+03;
 Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 4 TAGGGGCTGGCCCT 20
 Db 44 TAAGGSCCTGGCACT 28
 RESULT 3
 CQ006077/c
 LOCUS CQ006077 50 bp DNA linear PAT 16-JAN-2004
 DEFINITION Sequence 4717 from Patent WO0147944.
 ACCESSION CQ006077
 VERSION CQ006077.1 GI:41012709
 KEYWORDS SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 REFERENCE 1
 AUTHORS Shimkets,R.A. and Leach,M.
 TITLE Nucleic acids containing single nucleotide polymorphisms and methods of use thereof
 JOURNAL Patent: WO 0147944-A 4717 05-JUL-2001;
 Curagen Corporation (US)
 FEATURES source 1..50
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 /mol_type="unassigned DNA"
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 misc_feature 1..26
 /notes="Nucleotide deleted between bases 25 and 26
 Accession number Cg43256169"
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 Query Match 61.6%; Score 15.4; DB 6; Length 50;
 Best Local Similarity 94.1%; Pred. No. 4.5e+03;
 Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 4 TAGGGGCTGGCCCT 20
 Db 18 TAAGGGCCTGGCACT 2
 RESULT 4
 AR012502/c
 LOCUS AR012502 70 bp DNA linear PAT 04-DEC-1998
 DEFINITION Sequence 117 from patent US 5763566.
 ACCESSION AR012502
 VERSION AR012502.1 GI:3970492
 KEYWORDS Unknown.
 SOURCE Unclassified.
 ORGANISM Unclassified.
 REFERENCE 1
 AUTHORS Jensen,K.B., Chen,H., Morris,K.N., Stephens,A. and Gold,L.
 TITLE Systematic evolution of ligands by exponential enrichment: tissue SELEX
 JOURNAL Patent: US 5763566-A 117 09-JUN-1998;
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 source 1..70
 /organism="unknown"
 /mol_type="unassigned DNA"
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 Best Local Similarity 75.0%; Pred. No. 1.6e+04;
 Matches 18; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
 QY 2 ATTAAGGGCTGGCCCTTATA 25
 Db 60 ATAAGGGCTGGAGCTTACA 37
 RESULT 5
 AR020330/c
 LOCUS AR020330 70 bp DNA linear PAT 05-DEC-1998
 DEFINITION Sequence 117 from Patent US 5789157.
 ACCESSION AR020330
 VERSION AR020330.1 GI:3974945
 KEYWORDS SOURCE Unknown.
 ORGANISM Unknown.
 REFERENCE 1
 AUTHORS Jensen,K.B., Chen,H., Morris,K.N., Stephens,A. and Gold,L.
 TITLE Systematic evolution of ligands by exponential enrichment: tissue selex
 JOURNAL Patent: US 5789157-A 117 04-AUG-1998;
 FEATURES source 1..70
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 /mol_type="unassigned DNA"
 ORIGIN
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 Best Local Similarity 75.0%; Pred. No. 1.6e+04;
 Matches 18; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
 QY 2 ATTAAGGGCTGGCCCTTATA 25
 Db 60 ATAAGGGCTGGAGCTTACA 37
 RESULT 6
 AR109351/c
 LOCUS AR109351 70 bp DNA linear PAT 14-FEB-2001
 DEFINITION Sequence 117 from Patent US 6114120.
 ACCESSION AR109351
 VERSION AR109351.1 GI:12825627
 KEYWORDS SOURCE Unknown.
 ORGANISM Unknown.
 REFERENCE 1
 AUTHORS Jensen,K.B., Chen,H., Morris,K.N., Stephens,A. and Gold,L.
 TITLE Systematic evolution of ligands by exponential enrichment: tissue selex
 JOURNAL Patent: US 6114120-A 117 05-SEP-2000;
 FEATURES source 1..70
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ORIGIN /mol_type="unassigned DNA"

RESULT 7

Query Match 57.6%; Score 14.4; DB 6; Length 70;

Best Local Similarity 75.0%; Pred. No. 1.6e+04; Matches 18; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 2 ATTAAGGGCCCTGGCCCTTATA 25
Db 60 AATTAAGGCCTGAGCTTACA 37

RESULT 7

Query Match 57.6%; Score 14.4; DB 6; Length 70;

Best Local Similarity 75.0%; Pred. No. 1.6e+04; Matches 18; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 182676 182676 Sequence 117 from patent US 571375. ACCESSION 182676 VERSION 182676.1 GI:3210973 KEYWORDS Unknown. SOURCE UnKnown. ORGANISM Unclassified.

REFERENCE 1 (bases 1 to 70)

AUTHORS Jensen, K.B., Chen, H., Morris, K.N., Stephens, A. and Gold, L.

TITLE Systematic evolution of ligands by exponential enrichment: tissue Selex

JOURNAL Patent: US 571375-A 117 27-JAN-1998;

FEATURES Location/Qualifiers

source 1. .70 /organism="unknown" /mol_type="unassigned DNA"

ORIGIN

Unclassified.

Query Match 57.6%; Score 14.4; DB 6; Length 70;

Best Local Similarity 75.0%; Pred. No. 1.6e+04; Matches 18; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 2 ATTAAGGGCCCTGGCCCTTATA 25
Db 60 AATTAAGGCCTGAGCTTACA 37

RESULT 8

Query Match 57.6%; Score 14.4; DB 6; Length 70;

Best Local Similarity 75.0%; Pred. No. 1.6e+04; Matches 18; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

ACCESSION AR368542.1 GI:34602693

KEYWORDS Unknown. ORGANISM UnKnown.

REFERENCE 1 (bases 1 to 70)

AUTHORS Heiling, J.S. and Gold, L.

TITLE Systematic evolution of ligands by exponential enrichment: tissue SeLEX

JOURNAL Patent: US 6378474-A 117 23-APR-2002; Gilead Sciences, Inc.; Foster City, CA

FEATURES Location/Qualifiers

source 1. .70 /organism="unknown" /mol_type="genomic DNA"

ORIGIN

Unclassified.

Query Match 57.6%; Score 14.4; DB 6; Length 70;

Best Local Similarity 75.0%; Pred. No. 1.6e+04; Matches 18; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

ACCESSION AR368542

VERSION AR368542.1 GI:34602693

REFERENCE 1 (bases 1 to 70)

AUTHORS Heiling, J.S. and Gold, L.

TITLE Systematic evolution of ligands by exponential enrichment: tissue SeLEX

JOURNAL Patent: US 6378474-A 117 23-APR-2002; Gilead Sciences, Inc.; Foster City, CA

FEATURES Location/Qualifiers

source 1. .70 /organism="unknown" /mol_type="genomic DNA"

ORIGIN

Unclassified.

Query Match 57.6%; Score 14.4; DB 6; Length 70;

Best Local Similarity 75.0%; Pred. No. 1.6e+04; Matches 18; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 2 ATTAAGGGCCCTGGCCCTTATA 25
Db 60 AATTAAGGCCTGAGCTTACA 37

RESULT 9

Query Match 57.6%; Score 14.4; DB 6; Length 70; ACCESSION AR391734

DEFINITION Sequence 117 from patent US 6613526.

VERSION AR391734.1 GI:40115328

KEYWORDS Unknown.

ORGANISM Unclassified.

REFERENCE 1 (bases 1 to 70)

AUTHORS Heiling, J.S. and Gold, L.

TITLE Systematic evolution of ligands by exponential enrichment: tissue SeLEX

JOURNAL Patent: US 6613526-A 117 02-SEP-2003; Gilead Sciences, Inc.; Foster City, CA

FEATURES Location/Qualifiers

source 1. .70 /organism="unknown" /mol_type="genomic DNA"

ORIGIN

Unclassified.

Query Match 57.6%; Score 14.4; DB 6; Length 70;

Best Local Similarity 75.0%; Pred. No. 1.6e+04; Matches 18; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

ACCESSION AR269911

VERSION AR269911.1 GI:33089797

KEYWORDS

mitochondrion

Gadus morhua

ORGANISM Gadus morhua (Atlantic cod)

REFERENCE 1 (bases 1 to 74)

AUTHORS Sigurðason, H. and Arnason, E.

TITLE Extent of mitochondrial DNA sequence variation in Atlantic cod from the Faroe Islands: a resolution of gene genealogy

JOURNAL Heredity 91 (6), 557-564 (2003)

PUBLMED

14560303

REFERENCE

2 (bases 1 to 74)

AUTHORS Sigurðason, H. and Arnason, E.

TITLE

Direct Submission

Submitted (01-APR-2003) Institute of Biology, University of Iceland, Grensásvegur 12, Reykjavík IS-108, Iceland

FEATURES

Location/Qualifiers

source

1. .74

/organism="Gadus morhua"

/organelle="mitochondrion"

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/db_xref="Taxon:8049"

/haplotype="S02"

/country="Faroe Islands"

REFERENCE 1 (bases 1 to 74)

ORIGIN

Unclassified.

Query Match 57.6%; Score 14.4; DB 5; Length 74;

Best Local Similarity 75.0%; Pred. No. 1.6e+04; Matches 18; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 2 ATTAAGGGCCCTGGCCCTTATA 25
Db 60 AATTAAGGCCTGAGCTTACA 37

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	Db	3 ATTATGGGGTCCCCGTAATA 10	TITLE Direct Submission
LOCUS		AY266914 Gadus morhua isolate TPA7_07 haplotype S06 mitochondrial	DEFINITION Submitted (01-APR-2003) Institute of Biology, University of Iceland, Grensasvegur 12, Reykjavik IS-108, Iceland
DEFINITION			FEATURES location/Qualifiers
ACCESSION		AY266914	SOURCE 1. .74
VERSION		AY266914.1 GI:33089800	
KEYWORDS			
SOURCE		mitochondrion Gadus morhua (Atlantic cod)	
ORGANISM		Gadus morhua	
REFERENCE			
AUTHORS		Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Actinopterygii; Neopterygii; Teleostei; Euteleostei; Neoteleostei; Acanthomorpha; Paracanthopterygii; Gadiformes; Gadiidae; Gadus.	
TITLE		Extent of mitochondrial DNA sequence variation in Atlantic cod from the Faroe Islands: a resolution of gene genealogy	
JOURNAL		Heredity 91 (6), 557-564 (2003)	
PUBLISHED		14560303	
REFERENCE		2 (bases 1 to 74)	
AUTHORS			
TITLE		Submitted (01-APR-2003) Institute of Biology, University of Iceland, Grensasvegur 12, Reykjavik IS-108, Iceland	
FEATURES		Location/Qualifiers	
source		1. .74	
REFERENCE			
AUTHORS			
TITLE		Direct Submission	
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GenCore version 5.1.7

Om nucleic - nucleic search, using sw model

Run on: February 7, 2006, 12:06:52 ; Search time 794 Seconds
(without alignments)

260.371 Million cell updates/sec

Title: US-10-613-390B-1

Perfect score: 25
Sequence: 1 tattaaaggggcttgcgccttaata 25

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters: 11330536

Minimum DB seq length: 0

Maximum DB seq length: 100

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA_Main:*

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10: /cgn2_6/ptodata/1/pupnna/US11_PUBCOMB.seq; *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	25	100.0	25	7 US-10-613-390B-1
c	2	93.6	25	7 US-10-613-390B-1
c	3	69.6	25	9 US-10-809-189-116728
c	4	63.2	25	8 US-10-719-900-27015
c	5	63.2	25	8 US-10-719-900-27015
c	6	63.2	25	9 US-10-809-189-116728
c	7	63.2	25	10 US-11-036-337-189638
c	8	63.2	25	10 US-11-036-337-226389
c	9	63.2	25	10 US-11-036-337-273256
c	10	63.2	25	10 US-11-036-337-295882
c	11	63.2	25	10 US-11-036-337-30549
c	12	63.2	25	10 US-11-036-337-37422
c	13	63.2	25	10 US-11-036-337-73211
c	14	61.6	25	10 US-11-060-736-172272
c	15	60.8	25	7 US-10-719-956-370902
c	16	60.8	25	8 US-10-719-900-134872
c	17	59.2	25	9 US-10-809-189-86335
c	18	59.2	25	9 US-10-809-189-86336
c	19	59.2	25	10 US-11-036-337-451864
c	20	58.4	25	7 US-10-719-956-567779
c	21	58.4	25	7 US-10-719-956-567779
c	22	57.6	25	10 US-11-036-337-208481
c	23	57.6	10	US-11-036-337-249444

ALIGNMENTS

RESULT 1

US-10-613-390B-1
; Sequence 1, Application US/10613390B

; Publication No: US20040127442A1
; GENERAL INFORMATION:

; APPLICANT: Gene Cloning Inc
; TITLE OF INVENTION: Oligonucleotides for Treating Proliferative Disorders

; FILE REFERENCE: 61/400,137
; CURRENT APPLICATION NUMBER: US/10/613,390B

; CURRENT FILING DATE: 2003-07-03
; PRIOR FILING NUMBER: 10/613390

; SOFTWARE: PatentIn version 3.2
; SEQ ID NO: 1
; LENGTH: 25
; TYPE: DNA
; ORGANISM: artificial sequence
; FEATURE:
; OTHER INFORMATION: synthetic primer

US-10-613-390B-1
; Query Match

100.0%; Score 25; DB 7; Length 25;
Best Local Similarity 100.0%; Pred. No. 0.051; Mismatches 0; Indels 0; Gaps 0;

Matches 25; Conservative 0;

OY 1 TATTAAAGGGCTTGCCTTATA 25

Db 1 TATTAAAGGGCTTGCCTTATA 25

RESULT 2
US-10-613-390B-1/c

; Sequence 1, Application US/10613390B
; Publication No: US20040127442A1
; GENERAL INFORMATION:

; APPLICANT: Gene Cloning Inc
; TITLE OF INVENTION: Oligonucleotides for Treating Proliferative Disorders

; FILE REFERENCE: 61/400,137
; CURRENT APPLICATION NUMBER: US/10/613,390B

; CURRENT FILING DATE: 2003-07-03
; PRIOR FILING NUMBER: 10/613390
; PRIOR FILING DATE: 2003-07-03
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO: 1

Sequence 26348B,
Sequence 298920,
Sequence 343406,
Sequence 361767,
Sequence 134392,
Sequence 297112,
Sequence 117, APP
Sequence 315034,
Sequence 21015, A
Sequence 22016, A
Sequence 255528,
Sequence 8010772,
Sequence 21017, A
Sequence 227800,
Sequence 189638,
Sequence 226389,
Sequence 273255,
Sequence 295882,
Sequence 303549,
Sequence 374272,
Sequence 379211,
Sequence 739212,

; LENGTH: 25
; TYPE: DNA
; ORGANISM: artificial sequence
; FEATURE:
; OTHER INFORMATION: synthetic primer
; US-10-613-390B-1

Query Match 93.6%; Score 23.4; DB 7; Length 25;
Best Local Similarity 95.0%; Pred. No. 0.3;
Matches 24; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 TATTAAGGGCCCTGGCCCTTAA 25
Db 25 TATTAAGGGCCCTGGCCCTTAA 1

RESULT 3

US-10-809-189-116728/c
Sequence 116728, Application US/10809189

; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/10/809,189
; CURRENT FILING DATE: 2004-03-25
; PRIOR APPLICATION NUMBER: US/09/396,196
; PRIOR FILING DATE: 1998-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127805
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 116728

TYPE: DNA

; LENGTH: 25
; ORGANISM: mus musculus
; US-10-809-189-116728

Query Match 69.6%; Score 17.4; DB 9; Length 25;
Best Local Similarity 69.7%; Pred. No. 2.3e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 6 AGGGGCCCTGGCCCTTAAT 24
Db 25 AGGGGCCCTGGCACCTTAAT 7

RESULT 5
US-10-719-900-27016/c
Sequence 27016, Application US/10719900
; Publication No. US20050026164A1
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/10/809,189
; CURRENT FILING DATE: 2004-03-25
; PRIOR APPLICATION NUMBER: US/09/396,196
; PRIOR FILING DATE: 1998-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 982914
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 27016
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
; US-10-719-900-27016

Query Match 63.2%; Score 15.8; DB 8; Length 25;
Best Local Similarity 89.5%; Pred. No. 1.4e+03;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 ATTAAGGGCCCTGGCCCT 20
Db 7 ATTAAGGGCCCTGGCCCT 25

TYPE: DNA

; LENGTH: 25
; ORGANISM: Mus musculus
; US-10-809-189-116728

; Sequence 116728, Application US/10809189
; Publication No. US20050048531A1
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/10/809,189
; CURRENT FILING DATE: 2004-03-25
; PRIOR APPLICATION NUMBER: US/09/396,196
; PRIOR FILING DATE: 1998-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127805
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 116728
; LENGTH: 25
; TYPE: DNA
; ORGANISM: mus musculus
; US-10-809-189-116728

Query Match 63.2%; Score 15.8; DB 9; Length 25;
Best Local Similarity 89.5%; Pred. No. 1.4e+03;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

; Sequence 116728, Application US/10809189
; Publication No. US20050048531A1
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/10/809,189
; CURRENT FILING DATE: 2004-03-25
; PRIOR APPLICATION NUMBER: US/09/396,196
; PRIOR FILING DATE: 1998-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127805
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 116728
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
; US-10-809-189-116728

; Sequence 116728, Application US/10809189
; Publication No. US20050048531A1
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/10/809,189
; CURRENT FILING DATE: 2004-03-25
; PRIOR APPLICATION NUMBER: US/09/396,196
; PRIOR FILING DATE: 1998-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127805
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 116728
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
; US-10-809-189-116728

; Sequence 116728, Application US/10809189
; Publication No. US20050048531A1
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/10/809,189
; CURRENT FILING DATE: 2004-03-25
; PRIOR APPLICATION NUMBER: US/09/396,196
; PRIOR FILING DATE: 1998-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127805
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 116728
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
; US-10-809-189-116728

Query Match 63.2%; Score 15.8; DB 8; Length 25;
Best Local Similarity 89.5%; Pred. No. 1.4e+03;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

; Sequence 116728, Application US/10809189
; Publication No. US20050048531A1
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/10/809,189
; CURRENT FILING DATE: 2004-03-25
; PRIOR APPLICATION NUMBER: US/09/396,196
; PRIOR FILING DATE: 1998-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127805
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 116728
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
; US-10-809-189-116728

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; GENERAL INFORMATION:
; APPLICANT: Williams, Alan
; APPLICANT: Blume, John
; TITLE OF INVENTION: Method of Analysis of Alternative Splicing in Mouse
; FILE REFERENCE: 3654.1
; CURRENT APPLICATION NUMBER: US/11/036,317
; CURRENT FILING DATE: 2005-01-13
; PRIORITY FILING DATE: 2004-01-13
; NUMBER OF SEQ ID NOS: 991174
; SOFTWARE: Microarray Probe Sequence Listing Generator v 1.1
; SEQ ID NO 189638
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
US-11-036-317-189638

Query Match Score 15.8; DB 10; Length 25;
Best Local Similarity 89.5%; Pred. No. 1.4e+03; Mismatches 2; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 6 AGGGGCCCTGGCCCTTAAT 24
Db 3 AGGAGCCCTGGCCCTTCAT 21

RESULT 8
US-11-036-317-226389
; Sequence 226389, Application US/11036317
; Publication No. US20050214823A1
; GENERAL INFORMATION:
; APPLICANT: Williams, Alan
; APPLICANT: Blume, John
; TITLE OF INVENTION: Method of Analysis of Alternative Splicing in Mouse
; FILE REFERENCE: 3654.1
; CURRENT APPLICATION NUMBER: US/11/036,317
; CURRENT FILING DATE: 2005-01-13
; PRIORITY FILING DATE: 2004-01-13
; NUMBER OF SEQ ID NOS: 991174
; SOFTWARE: Microarray Probe Sequence Listing Generator v 1.1
; SEQ ID NO 226389
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
US-11-036-317-226389

Query Match Score 15.8; DB 10; Length 25;
Best Local Similarity 89.5%; Pred. No. 1.4e+03; Mismatches 2; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 6 AGGGGCCCTGGCCCTTAAT 24
Db 3 AGGAGCCCTGGCCCTTCAT 21

RESULT 9
US-11-036-317-273256
; Sequence 273256, Application US/11036317
; Publication No. US20050214823A1
; GENERAL INFORMATION:
; APPLICANT: Williams, Alan
; APPLICANT: Blume, John
; TITLE OF INVENTION: Method of Analysis of Alternative Splicing in Mouse
; FILE REFERENCE: 3654.1
; CURRENT APPLICATION NUMBER: US/11/036,317
; CURRENT FILING DATE: 2005-01-13
; PRIORITY FILING DATE: 2004-01-13
; NUMBER OF SEQ ID NOS: 991174
; SOFTWARE: Microarray Probe Sequence Listing Generator v 1.1
; SEQ ID NO 273256
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
US-11-036-317-273256

Query Match Score 15.8; DB 10; Length 25;
Best Local Similarity 89.5%; Pred. No. 1.4e+03; Mismatches 2; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 6 AGGGGCCCTGGCCCTTAAT 24
Db 5 AGGAGCCCTGGCCCTTCAT 23

RESULT 10
US-11-036-317-295882
; Sequence 295882, Application US/11036317
; Publication No. US20050214823A1
; GENERAL INFORMATION:
; APPLICANT: Williams, Alan
; APPLICANT: Blume, John
; TITLE OF INVENTION: Method of Analysis of Alternative Splicing in Mouse
; FILE REFERENCE: 3654.1
; CURRENT APPLICATION NUMBER: US/11/036,317
; CURRENT FILING DATE: 2005-01-13
; PRIORITY FILING DATE: 2004-01-13
; NUMBER OF SEQ ID NOS: 991174
; SOFTWARE: Microarray Probe Sequence Listing Generator v 1.1
; SEQ ID NO 295882
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
US-11-036-317-295882

Query Match Score 15.8; DB 10; Length 25;
Best Local Similarity 89.5%; Pred. No. 1.4e+03; Mismatches 2; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 6 AGGGGCCCTGGCCCTTAAT 24
Db 2 AGGAGCCCTGGCCCTTCAT 20

RESULT 11
US-11-036-317-303549
; Sequence 303549, Application US/11036317
; Publication No. US20050214823A1
; GENERAL INFORMATION:
; APPLICANT: Williams, Alan
; APPLICANT: Blume, John
; TITLE OF INVENTION: Method of Analysis of Alternative Splicing in Mouse
; FILE REFERENCE: 3654.1
; CURRENT APPLICATION NUMBER: US/11/036,317
; CURRENT FILING DATE: 2005-01-13
; PRIORITY FILING DATE: 2004-01-13
; NUMBER OF SEQ ID NOS: 991174
; SOFTWARE: Microarray Probe Sequence Listing Generator v 1.1
; SEQ ID NO 303549
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
US-11-036-317-303549

Query Match Score 15.8; DB 10; Length 25;
Best Local Similarity 89.5%; Pred. No. 1.4e+03; Mismatches 2; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 6 AGGGGCCCTGGCCCTTAAT 24
Db 5 AGGAGCCCTGGCCCTTCAT 23

```

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RESULT 12 ; SOFTWARE: PatentIn version 3.2
US-11-036-317-374272 ; SEQ ID NO 172272
; Sequence 374272, Application US/11036317
; Publication No. US20050214823A1
; GENERAL INFORMATION:
; APPLICANT: Williams, Alan
; TITLE OF INVENTION: Method of Analysis of Alternative Splicing in Mouse
; FILE REFERENCE: 3654_1 ; LENGTH: 25
; CURRENT APPLICATION NUMBER: US/11/036,317
; CURRENT FILING DATE: 2005-01-13
; PRIORITY APPLICATION NUMBER: US 60/536,639
; PRIORITY FILING DATE: 2004-01-13
; NUMBER OF SEQ ID NOS: 991174
; SOFTWARE: Microarray Probe Sequence Listing Generator v 1.1
; SEQ ID NO 374272
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
; US-11-036-317-374272

Query Match 63.2%; Score 15.8; DB 10; Length 25;
Best Local Similarity 89.5%; Pred. No. 1.4e+03; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 2; Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 6 AGGGGCCTGGCCCTTA 24
Db 6 AGGAGCCTGGCCCTTCA 24

.RESULT 13
US-11-036-317-739211/c ; SEQ ID NO 370902
; Sequence 739211, Application US/11036317
; Publication No. US20050214823A1
; GENERAL INFORMATION:
; APPLICANT: Williams, Alan
; TITLE OF INVENTION: Method of Analysis of Alternative Splicing in Mouse
; FILE REFERENCE: 3654_1 ; LENGTH: 25
; CURRENT APPLICATION NUMBER: US/11/036,317
; CURRENT FILING DATE: 2005-01-13
; PRIORITY APPLICATION NUMBER: US 60/536,639
; PRIORITY FILING DATE: 2004-01-13
; NUMBER OF SEQ ID NOS: 991174
; SOFTWARE: Microarray Probe Sequence Listing Generator v 1.1
; SEQ ID NO 370902
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; US-11-036-317-739211

Query Match 60.8%; Score 15.2; DB 7; Length 25;
Best Local Similarity 89.0%; Pred. No. 2.7e+03; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 3; Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 3 TTAAGGGCCTGGCCCTTA 22
Db 4 TAATGGGGCTGGCCCTTA 23

.RESULT 14
US-11-060-756-172272/C ; SOFTWARE: PatentIn version 3.2
; Sequence 172272, Application US/11060756
; Publication No. US2005021354A1
; GENERAL INFORMATION:
; APPLICANT: Wyatch
; TITLE OF INVENTION: Nucleic Acid Arrays for Monitoring Expression Profiles of Drug Target Genes
; FILE REFERENCE: AM01083 (031896-042000)
; CURRENT APPLICATION NUMBER: US/11/060,756
; CURRENT FILING DATE: 2005-02-18
; NUMBER OF SEQ ID NOS: 303284
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
; US-11-060-756-172272

Query Match 63.2%; Score 15.8; DB 10; Length 25;
Best Local Similarity 89.5%; Pred. No. 1.4e+03; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 2; Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 4 TAAGGGGCTGGCCCTTA 22
Db 19 TAAGGGGCTGGCCACTTA 1

.RESULT 15
US-10-719-956-370902 ; SOFTWARE: PatentIn version 3.2
; Sequence 370902, Application US/10719956
; Publication No. US20040146910A1
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Rat
; FILE REFERENCE: 3527_1 ; LENGTH: 25
; CURRENT APPLICATION NUMBER: US/10/719,956
; PRIORITY APPLICATION NUMBER: 60/427,836
; PRIORITY FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 639466
; SOFTWARE: Microarray Probe Sequence Listing Generator v 1.1
; SEQ ID NO 370902
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; US-10-719-956-370902

Query Match 61.6%; Score 15.4; DB 10; Length 25;
Best Local Similarity 94.1%; Pred. No. 2.1e+03; Indels 0; Gaps 0;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 6 AGGGGCCTGGCCCTTA 22
Db 25 AGGGGCCTGGCCCTTA 9

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Search completed: February 7, 2006, 12:22:29
Job time : 795 secs

GenCore version 5.1.7
 Copyright (c) 1993 - 2006 Biocceleration Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 7, 2006, 11:01:48 ; Search time 3599 Seconds
 (without alignments)
 325.001 Million cell updates/sec

Title: US-10-613-390B-1
 Perfect score: 25

Sequence: tattaaaggggcctggcccttaata 25

Scoring table: IDENTITY_NUC
 Gapop 10.0 , Gapext 1.0

Searched: 4107325 seqs, 23393541228 residues

Total number of hits satisfying chosen parameters: 778150

Minimum DB seq length: 0

Maximum DB seq length: 100

Post-processing: Minimum Match 0%
 Maximum Match 100%

Listing first 45 summaries

Database :

EST:
 1: gb_est1:
 2: gb_est2:
 3: gb_est3:
 4: gb_hrc:
 5: gb_est4:
 6: gb_est5:
 7: gb_est6:
 8: gb_est7:
 9: gb_gsb1:
 10: gb_gss2:
 11: gb_gss3:
 12: gb_gss4:
 13: gb_gss5:
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 717: gb_gss709:
 718: gb_gss710:
 719: gb_gss711:
 720:

LOCUS	AW220424	78 bp	mRNA	linear	EST 07-JAN-2000	KEYWORDS	GSS.
DEFINITION	2822310_3prime NIH_MGC_7	Homo sapiens cDNA clone IMAGE:2822310 3'	SOURCE	Mus musculus (house mouse)		ORGANISM	
ACCESSION	AW220424						Mus musculus
VERSION	AW220424.1						Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
KEYWORDS							Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
REFERENCE							Sciurognathi; Muroidea; Muridae; Murinae; Mus.
AUTHORS	Homo sapiens (human)						
TITLE							
JOURNAL							
COMMENT							
1 (bases 1 to 78)							
NIH-MGC http://mgc.ncbi.nlm.nih.gov/							
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;							
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;							
Homidae; Homo;							
Contact: Robert Strausberg, Ph.D.							
Email: cgs@rsf@mail.nih.gov							
Tissue Procurement: DCTD/BTP cDNA Library Preparation: Ling							
Hong/Rubin Laboratory cDNA Library Arrayed by: The I.M.A.G.E.							
Consortium (LNU) DNA Sequencing by: Berkeley MGC Sequencing							
project Clone distribution: MGC clone distribution information can							
be found through the I.M.A.G.E. Consortium/LNU at:							
www.bio.llnl.gov/bbpr/image/image.html Base Calling: / Quality							
Score: PHRED from University of Washington Genome Center. Vector							
Trimming: cross match from University of Washington Genome Center							
PHRAP Suite. Poly-T Identification: patMatch.pl from Berkeley							
Drosophila Genome Project. University of Washington Genome Center:							
http://www.genome.washington.edu Low Quality Sequence: 22							
contiguous PHRED high quality bases following vector sequence. Very							
Low Quality Sequence: Trace file contained 78 contiguous distinct							
peaks following vector sequence. Polyadenylation: Based upon the							
presence of a XbaI site followed by a run of 14 or more T residues							
at the beginning of the sequence, this cDNA insert was							
polyadenylated.							
Plate: LIGM9 row: B column: 7							
High quality sequence stop: 22.							
FEATURES							
source							
Location/Qualifiers							
1..78							
/organism="Homo sapiens"							
/mol_type="mRNA"							
/db_xref="taxon:9606"							
/clone="IMGB:2822310"							
/tissue_type="small cell carcinoma"							
/cell_line="MGC3"							
/lab_Fast="DH10B (phage-resistant)"							
/clone_lib="NIH_MGC_7"							
/note="Organ: Lung; Vector: pORN7; Site 1: XbaI; Site 2:							
ECR1; cDNA made by oligo-dT priming. Directionally cloned into ECR1/XbaI sites using the following 5'							
adapter: GCGACGAG(G). Size-selected >500bp for average							
insert size 1.8kb. Library constructed by Ling Hong in							
the laboratory of Gerald M. Rubin (University of California, Berkeley) using ZAP-cDNA synthesis kit							
(Stratagene) and Superscript II RT (Life Technologies)."							
ORIGIN							
Query Match	63.2%	Score 15.8;	DB 1;	Length 78;			
Best Local Similarity	89.5%	Pred. No. 1.6e+04;					
Matches	17;	Conservative	0;	Mismatches 2;	Indels 0;	Gaps 0;	
Qy	5	AAAGGGCCTGGCCCTTA	23				
Db	15	AAAGGGCCTGCCCCCTTA	33				
RESULT 3							
A2371110	AZ371110	40 bp	DNA	linear	GSS 02-OCT-2000	RESULT 4	GSS.
LOCUS	1M022105F	Mouse 10kb plasmid UGGC1M022105	F,	Genomic		LOCUS	Mus musculus (house mouse)
DEFINITION		clone UGGC1M022105 F,	Genomic survey sequence.			DEFINITION	
ACCESSION	A2371110					ACCESSION	1M022105F Mouse 10kb plasmid UGGC1M022105
VERSION	A2371110.1	GI:10494810				VERSION	F, genomic survey sequence.

	VERSION	AZ37110.1	GI:10484810
	KEYWORDS	GSS.	
	SOURCE	Mus musculus (house mouse)	
	ORGANISM	Mus musculus (house mouse)	
REFERENCE	REFERENCE	AZ440331.1	GI:10564344
AUTHORS	AUTHORS	GSS.	
JOURNAL	JOURNAL	AZ440331	
COMMENT	COMMENT	Unpublished (2000)	
TITLE	TITLE	Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts	
source	source	Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA	
FEATURES	FEATURES	1. 40	
source	source	/organism="Mus musculus"	
		/mol_type="genomic DNA"	
		/strain="C57BL/6J"	
		/db_xref="taxon:10090"	
		/clone="UJGCIM0122105"	
		/sex="Male"	
		/lab_host="E. Coli strain XL10-Gold, Ti-resistant, F-"	
		/clone_1lb="Mouse 10kb Plasmid UJGCIM Library"	
		/note="Vector: PWD2nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource	
		(http://www.jax.org/resources/documents/dnars/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of PWD42 (gi 4732114 gb AF128072.1), a copy-number inducible derivative of plasmid RL. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."	
ORIGIN	ORIGIN		
Query Match	Query Match	61.6%; Score 15.4; DB 9; Length 40;	
Best Local Similarity	Best Local Similarity	76.0%; Pred. No. 2.3e+04;	
Matches	Matches	19; Conservative 0; Mismatches 6; Indels 0; Gaps 0;	
Oy	Oy	1 TATTAAGGGGTGCGCCCTTATA 25	
Db	Db	37 TATTAATGGGCCATACCCATATA 13	
RESULT 5	RESULT 6		
AZ440331/c	AW770417/c		
LOCUS	LOCUS	83 bp DNA linear GSS 03-OCT-2000	
DEFINITION	DEFINITION	IM0231A20F Mouse 10kb plasmid UJGCIM library Mus musculus genomic clone UJGCIM0231A20 F, genomic survey sequence.	
		98 bp mRNA linear EST 04-MAY-2000	

		mRNA sequence.
ACCESSION		AW770417
VERSION		AW770417.1 GI:7702459
KEYWORDS		
SOURCE	Homo sapiens (human)	
ORGANISM	Homo sapiens	
JOURNAL	Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchoptoglires; Primates; Catarrhini; Hominidae; Homo.	
COMMENT	1 (bases 1 to 98) NCT-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.	
FEATURES		
source		
COMMENT	Unpublished (1997) Contact: Robert Strausberg, Ph.D. Email: cgapbs-r@mail.nih.gov	
FEATURES		
source		
COMMENT	Tissue Procurement: Chris Moskaluk, M.D., Ph.D., Michael R. Bennett-Buck, M.D., Ph.D. cDNA Library Preparation: Life Technologies, Inc. cDNA Library Arrayed by: Christa Prange, The I.M.A.G.E. Consortium DNA Sequencing by: Washington University Genome Sequencing Center Clone distribution: NCI-CGAP clone distribution information can be found through the I.M.A.G.E. Consortium/LINL, send email to: info@image.lnl.gov Seq primer: -40UP from Gibco High quality sequence stop: 73. Location/Qualifiers	
FEATURES		
source		
COMMENT	1. 1. 98 'organism="Homo sapiens'" 'mol_type="mRNA"' 'db_xref="taxon:9606"' 'clone="IMAGE:307582"' 'tissue_type="pooled Wilms' tumors, one primary and one metastatic to brain"' 'lab_host="DH10B"' 'clone_1="NCI CGAP_Kid13"' 'note="Organ: kidney; Vector: pCMV-SPORT6; Site 1: SalI; Site 2: NotI; Cloned unidirectionally. Primer: Oligo dt. Library constructed by Life Technologies.'"	
ORIGIN		
QUERY	Query Match 60.8%; Score 15.2; DB 1; length 98; Best Local Similarity 85.0%; Pred. No. 3.1e+04; Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;	
Qy	6 AGGGGCCTGGCCCTTATA 25	
Db	95 76	
RESULT	7	
LOCUS	AI149654	
DEFINITION	AT149654 qf7c02.x1 Soares testis mRNA linear EST 10-NOV-1998	
ACCESSION	9f7c02.x1	
VERSION	3	
KEYWORDS	similar to gb:M61865 ZINC FINGER PROTEIN 85 (HUMAN); mRNA sequence.	
REFERENCE		
AUTHORS	Zambrowicz, B.P., Abuin,A., Ramirez-Solis,R., Richter,L.J., Piggott,J., Beltran,Rio,H., Buxton,E.C., Edwards,J., Finch,R.A., Fiddle,C.J., Gupta,A., Hansen,G., Hu,Y., Huang,W., Jaiing,C., Key,B.W., Jr., Kipp,P., Kohlhauff,B., Ma,Z.-Q., Marzesich,D., Payne,R., Potter,D.G., Qian,N., Shaw,J., Schrick,J., Shi,Z.-Z., Sparks,M.J., Van Sligtenhorst,I., Vogel,P., Walker,W., Xu,N., Zhu,Q., Person,C. and Sands,A.T.	
ORGANISM	Mus musculus (house mouse)	
JOURNAL	Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchoptoglires; Glires; Rodentia; Sciurognathi; Muroidea; Muridae; Murinae; Mus.	
COMMENT	1 (bases 1 to 70)	
FEATURES		
source		
COMMENT	NCT-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.	
FEATURES		
source		
COMMENT	Tumor Gene Index Unpublished (1997) Contact: Robert Strausberg, Ph.D. Email: cgapbs-r@mail.nih.gov	
FEATURES		
source		
COMMENT	National Cancer Institute, Cancer Genome Anatomy Project (CGAP),	
FEATURES		
source		
COMMENT	Bonaldo, Ph.D.	
FEATURES		
source		
COMMENT	mRNA sequence.	
FEATURES		
source		
COMMENT	cDNA Library Arrayed by: Greg Lennon, Ph.D. DNA Sequencing by: Washington University Genome Sequencing Center Clone distribution: NCI-CGAP clone distribution information can be found through the I.M.A.G.E. Consortium/LINL at: www.bio.lnl.gov/lbrp/Image/image.html Insert Length: 1082 Std Error: 0.00 Seq primer: -40M13 fwd. ET from Amersham High quality sequence stop: 1. Location/Qualifiers	
FEATURES		
source		
COMMENT	/note="Vector: PT73D-Pac (Pharmacia) with a modified polylinker; Site 1: Not I; Site 2: Eco RI; 1st strand cDNA was prepared from mRNA obtained from Clontech Laboratories, Inc., and primed with a Not I - oligo(dT) primer 15' Double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of the modified pR73 vector. Library went through one round of normalization to Cot5, and was constructed by Bento Soares and M. Fatima Bonaldo."	
FEATURES		
source		
COMMENT	Query Match 60.0%; Score 15; DB 1; length 64; Best Local Similarity 78.3%; Pred. No. 3.7e+04; Matches 18; Conservative 3%; Mismatches 5; Indels 0; Gaps 0;	
Qy	1 TATTAAGGGSCTGTGCCCTTA 23	
Db	12 TATAAGGAGCTTGCTCTTA 34	
RESULT	8	
LOCUS	CG527767/c	
DEFINITION	CG527767 OS106056 Mus musculus 129sv/Ev Mus musculus cDNA clone OS106056, mRNA sequence.	
ACCESSION	CG527767	
VERSION	CG527767.1 GI:37314339	
KEYWORDS	GSS.	
SOURCE		
ORGANISM	Mus musculus (house mouse)	
JOURNAL	Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchoptoglires; Glires; Rodentia; Sciurognathi; Muroidea; Muridae; Murinae; Mus.	
COMMENT	Zambrowicz, B.P., Abuin,A., Ramirez-Solis,R., Richter,L.J., Piggott,J., Beltran,Rio,H., Buxton,E.C., Edwards,J., Finch,R.A., Fiddle,C.J., Gupta,A., Hansen,G., Hu,Y., Huang,W., Jaiing,C., Key,B.W., Jr., Kipp,P., Kohlhauff,B., Ma,Z.-Q., Marzesich,D., Payne,R., Potter,D.G., Qian,N., Shaw,J., Schrick,J., Shi,Z.-Z., Sparks,M.J., Van Sligtenhorst,I., Vogel,P., Walker,W., Xu,N., Zhu,Q., Person,C. and Sands,A.T.	
FEATURES		
source		
COMMENT	Proc. Natl. Acad. Sci. U.S.A. 100 (24), 14109-14114 (2003)	
FEATURES		
source		
COMMENT	Lexicon Genetics Incorporated 4000 Research Forest Drive, The Woodlands, TX 77381, USA Email: materials@lexogen.com	
FEATURES		
source		
COMMENT	Gene trap sequence tag generated by 3' RACE from mouse ES cells as described in Zambrowicz et al (Nature. 1998 Apr 9;392(6676):608-11) Class: Gene Trap. Location/Qualifiers	

source	<p>1. -70 <i>/organism="Mus musculus"</i> <i>/mol_type="mRNA"</i> <i>/strain="129sv/Ev"</i> <i>/db_xref="taxon:10090"</i> <i>/clone="OSR10696"</i> <i>/cell_type="embryonic stem cell"</i> <i>/clone_lib="Mus musculus 129sv/Ev"</i></p>
ORIGIN	<p>Query Match 60.0%; Score 15; DB 10; Length 73; Best Local Similarity 78.3%; Pred. No. 3.7e+04; Matches 18; Conservative 0; Mismatches 5; Indels 0; Gaps 0;</p>
QY	2 ATTAAGGGCTGGCCCTTAAT 24
Db	53 ATCATGGTCCCTGCTGAAT 31
RESULT 9	
AW251001/c	
LOCUS	AW251001 73 bp mRNA linear EST 07-JAN-2000
DEFINITION	2821159 3prime NIH_MGC_7 Homo sapiens cDNA clone IMAGE:2821159 3', mRNA sequence.
ACCESSION	AW251001
VERSION	AW251001.1
KEYWORDS	EST.
SOURCE	Homo sapiens (human)
ORGANISM	Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Cetartiodaci; Homidae; Homo.
REFERENCE	NIH-MGC http://mgc.ncbi.nlm.nih.gov/
AUTHORS	National Institutes of Health, Mammalian Gene Collection (MGC)
TITLE	Unpublished (1999)
JOURNAL	Other ESTs: 2821159, 5prime
COMMENT	Contact: Robert Strausberg, Ph.D. Email: cgsabps.r@mail.nih.gov Tissue Procurement: DCTB/DTP cDNA Library Preparation: Ling Hong/Rubin Laboratory cDNA Library Arrayed by: The I.M.A.G.E. Consortium (IUMD) DNA Sequencing by: Berkeley MGC sequencing project. Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/IUMD at: www.bio.lnl.gov/bmrg/image.html Base Calling / Quality Scores: PHRED from University of Washington Genome Center Trimming: cross match from University of Washington Genome Center PHRAP suite. Poly-T Identification: patMatch.pl from Berkeley Drosophila Genome Project. University of Washington Genome Center: http://www.genome.washington.edu Low Quality Sequence: 10 contiguous phred high quality bases following vector sequence. Very Low Quality Sequence: Trace file contained 73 contiguous distinct peaks following vector sequence. Polyadenylation: Based upon the presence of a XbaI site followed by a run of 14 or more T residues at the beginning of the sequence, this cDNA insert was polyadenylated.
Plate: LIGM6 row: B column: 8	
FEATURES source	<p>High quality sequence stop: 10.</p> <p>Location/Qualifiers</p> <p>1. -73 <i>/organism="Homo sapiens"</i> <i>/mol_type="mRNA"</i> <i>/db_xref="taxon:9606"</i> <i>/clone="IMAGE:2821159"</i> <i>/tissue_type="small cell carcinoma"</i> <i>/cell_line="MGC3"</i> <i>/lab_host="DH10B (phage-resistant)"</i> <i>/clone_lib="NIH MGC 7"</i> <i>/note="Organ: lung; Vector: pOTB7; Site_1: XbaI; Site_2:</i> <i>EcoRI; cDNA made by oligo-dT priming. Directionally cloned into EcoRI/XbaI sites using the following 5'</i> <i>adaptor: GGCCTGG(G). Size-selected >500bp for average insert size 1.8kb. Library constructed by Ling Hong in</i></p>
FEATURES source	<p>1. -86 <i>/organism="Mus musculus"</i> <i>/mol_type="mRNA"</i> <i>/strain="129sv/Ev"</i> <i>/db_xref="taxon:10090"</i> <i>/clone="OSR99167"</i> <i>/cell_type="embryonic stem cell"</i> <i>/clone_lib="Mus musculus 129sv/Ev"</i></p>
ORIGIN	<p>Query Match 60.0%; Score 15; DB 10; Length 86; Best Local Similarity 78.3%; Pred. No. 3.8e+04; Matches 18; Conservative 0; Mismatches 5; Indels 0; Gaps 0;</p>
QY	1 TATTAAGGGCTGGCCCTTAAT 23
Db	84 TATTCCGGTCTGCCCTTGA 62
RESULT 11	
CK428180/c	
LOCUS	CK428180 94 bp mRNA linear EST 06-JAN-2004
DEFINITION	1a1197 Y1 Gastric Epithelial Progenitor 2 Mus musculus cDNA 5', mRNA sequence.
ACCESSION	CK428180

REFERENCE	CKA428180.1	GI:40672576
KEYWORDS	EST.	
SOURCE	Mus musculus (house mouse)	
ORGANISM	Bukayota; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Butheria; Euarchontoglires; Gires; Rodentia; Sciuromorchi; Muroidea; Muridae; Murinae; Mus.	
REFERENCE	1 (bases 1 to 94)	
AUTHORS	Tidwell,R., Clifton,S., Marra,M., Hillier,L., Pape,D., Martin,J., Wyllie,T., Theising,B., Bowers,Y., Gibbons,M., Ritter,E., Bennett,J., Ronko,I., Tsagareishvili,R., Belaygorod,L., Grow,A., Maguire,L., Waterston,R. and Wilson,R.	
TITLE	WashU Stem cell EST Project	
JOURNAL	Unpublished (2002)	
COMMENT	Contact: Jeff Gordon and Mike Lovett	
WASHU Human Genetics Division		
Washington University School of Medicine		
1st strand of cDNA was synthesized with reverse transcriptase and oligo(dt) beads, then cDNA was amplified by PCR using modified SMART primers. The final cDNA was cloned in pMPL vector in annealing reaction with Uracil DNA Glycosylase (UDG). Library constructed by Y. Korshunova and M. Lovett. Library materials provided by Mills JC & Gordon JI.		
Putative full length read		
vector to vector length 18		
Seq primer: -40BP from Gibco.		
Location/Qualifiers		
FEATURES		
source		
ORIGIN		
Query Match	58.4%	Score 14.6; DB 10; length 53;
Best Local Similarity	81.0%	Pred. No. 5.6e+04; Mismatches 0; Indels 0; Gaps 0;
Matches	17	
QY	1 TATTAAGGGCTTGCCCTTA 21	
Db	38 TCTTAAGGGCTTGCCCTTA 18	
RESULT	13	
CR169973	CR169973	
DEFINITION	Forward strand read from insert in 5'PRT insertion targeting and chromosome engineering clone MHNP50C03, genomic survey sequence.	
ACCESSION	CR169973	
VERSION	CR169973..1 GI:49948822	
KEYWORDS	GSS; Genome survey sequence; MICER.	
SOURCE	Mus musculus (house mouse)	
ORGANISM	Bukayota; Metzoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Butheria; Euarchontoglires; Gires; Rodentia; Sciuromorchi; Muroidea; Muridae; Murinae; Mus.	
REFERENCE	1 (bases 1 to 61)	
AUTHORS	Adams,D.J., Biggs,P.J., Cox,A.V., Davies,R.M., van der Weyden,L., Jonkers,J., Smith,J., Plumb,R.W., Taylor,R.G., Nishijima,I., Yu,Y., Rogers,J. and Bradley,A.	
TITLE	Direct Submission	
JOURNAL	Submitted (20-FEB-2004) Sanger Centre, Hinxton, Cambridgeshire, CB10 1SA, UK. http://www.sanger.ac.uk/MICER	
FEATURES		
source		
ORIGIN		
Query Match	58.4%	Score 14.6; DB 11; length 61;
Best Local Similarity	81.0%	Pred. No. 5.7e+04; Mismatches 0; Indels 0; Gaps 0;
Matches	17	
QY	2 ATTAAGGGCTTGCCCTTA 22	
Db	16 ATTACGAGCTGGCCCTTA 36	
RESULT	14	
CG650062	CG650062	
LOCUS	64 bp mRNA linear GSS 02-OCT-2003	
REFERENCE	1 (bases 1 to 53)	
AUTHORS	Numberg,A., Bedell,J.A., Citek,R.W., Robbins,D., McMenemy,J., Peterson,S., Jones,J., Fries,J., Budiman,M.A., Nguyen,H. and Stacey,G.	
TITLE	Methylation filtered genomic sequences from Glycine max	

DEFINITION	JOURNAL
mRNA sequence.	Proc. Natl. Acad. Sci. U.S.A. 100 (24), 14109-14114 (2003)
ACCESSION	OST406254
VERSION	14610273
KEYWORDS	PubMed Comment
SOURCE	Contact: Zambrowicz BP
ORGANISM	Lexicon Genetics Incorporated
Mus musculus (house mouse)	4000 Research Forest Drive, The Woodlands, TX 77381, USA
Mus musculus	Email: materials@lexgen.com
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;	Gene trap sequence tag generated by 3' RACE from mouse ES cells as
Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia;	described in Zambrowicz et al (Nature. 1998 Apr 9;392(6676):608-11)
Sciurognathi; Muroidea; Muridae; Murinae; Mus.	Class: Gene Trap
(bases 1 to 64)	Location/Qualifiers
1	1..64
REFERENCE	/organism="Mus musculus"
AUTHORS	/mol_type="mRNA"
Zambrowicz,B.P., Abuin,A., Ramirez-Solis,R., Richter,L.J., Finch,R.A.,	/strain="129Sv/Ev"
Fridale,C.J., Beltrandelrio,H., Buxton,E.C., Edwards,J., Finch,R.A.,	/db_xref="taxon:10090"
Piggot,J., Beltrandelrio,H., Buxton,E.C., Edwards,J., Finch,R.A.,	/clone=OST406254"
Key,B.W., Kipp,P., Kohlhaupt,B., Ma,Z.-Q., Markesich,D.,	/cell_type="embryonic stem cell"
Payne,R., Potter,D.G., Qian,N., Shaw,J., Schnick,J., Shi,Z.-Z.,	/clone_lib="Mus musculus 129Sv/Ev"
Sparks,M.J., Van Sligtenhorst,I., Vogel,P., Walke,W., Xu,N.,	
Zhu,Q., Person,C. and Sands,A.T.	
Wnk1 kinase deficiency lowers blood pressure in mice: a gene-trap	
screen to identify potential targets for therapeutic intervention	
proc. Natl. Acad. Sci. U.S.A. 100 (24), 14109-14114 (2003)	
14610273	
COMMENT	
Contact: Zambrowicz BP	
Lexicon Genetics Incorporated	
4000 Research Forest Drive, The Woodlands, TX 77381, USA	
Email: materials@lexgen.com	
Gene trap sequence tag generated by 3' RACE from mouse ES cells as	
described in Zambrowicz et al (Nature. 1998 Apr 9;392(6676):608-11)	
Class: Gene Trap	
FEATURES	
source	
ORIGIN	
Query Match	58.4%; Score 14.6; DB 10; Length 64;
Best Local Similarity	70.8%; Pred. No. 5.7e+04; Mismatches 7;
Matches	Indels 0; Gaps 0;
Matched	17; Conservative 0; Mismatches 7;
QY	1 TATTAAGGGCTCTGGCCCTTAAT 24
Db	2 ATTAAGGGCTGGCCCTTAAT 25
QY	3 ATTGGGGCTGCCNAAA 28
Db	51 ATTGGGGCTGCCNAAA 28
ORIGIN	
Query Match	58.4%; Score 14.6; DB 10; Length 64;
Best Local Similarity	70.8%; Pred. No. 5.7e+04; Mismatches 7;
Matches	Indels 0; Gaps 0;
Matched	17; Conservative 0; Mismatches 7;
QY	1 TATTAAGGGCTCTGGCCCTTAAT 24
Db	2 ATTAAGGGCTGGCCCTTAAT 25
QY	3 ATTGGGGCTGCCNAAA 28
Db	51 ATTGGGGCTGCCNAAA 28
Search completed: February 7, 2005, 12:06:36	
Job time : 3603 secs	
RESULT	15
CG650062/c	
LOCUS	CG650062
DEFINITION	OST406254 Mus musculus 129Sv/Ev Mus musculus cDNA clone OST406254,
VERSION	mRNA. Bequeance.
VERSION	CG650062
VERSION	CG650062.1 GI:37473911
KEYWORDS	GSS.
SOURCE	Mus musculus (house mouse)
ORGANISM	Mus musculus
Mus musculus	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia;	Sciurognathi; Muroidea; Muridae; Murinae; Mus.
REFERENCE	1 (bases 1 to 64)
AUTHORS	Zambrowicz,B.P., Abuin,A., Ramirez-Solis,R., Richter,L.J., Finch,R.A.,
Zambrowicz,B.P., Abuin,A., Ramirez-Solis,R., Richter,L.J., Finch,R.A.,	Fridale,C.J., Beltrandelrio,H., Buxton,E.C., Edwards,J., Finch,R.A.,
Piggot,J., Beltrandelrio,H., Buxton,E.C., Edwards,J., Finch,R.A.,	Key,B.W., Kipp,P., Kohlhaupt,B., Ma,Z.-Q., Markesich,D.,
Key,B.W., Kipp,P., Kohlhaupt,B., Ma,Z.-Q., Markesich,D.,	Payne,R., Potter,D.G., Qian,N., Shaw,J., Schnick,J., Shi,Z.-Z.,
Payne,R., Potter,D.G., Qian,N., Shaw,J., Schnick,J., Shi,Z.-Z.,	Sparks,M.J., Van Sligtenhorst,I., Vogel,P., Walke,W., Xu,N.,
Sparks,M.J., Van Sligtenhorst,I., Vogel,P., Walke,W., Xu,N.,	Zhu,Q., Person,C. and Sands,A.T.
Zhu,Q., Person,C. and Sands,A.T.	Wnk1 kinase deficiency lowers blood pressure in mice: a gene-trap
Wnk1 kinase deficiency lowers blood pressure in mice: a gene-trap	screen to identify potential targets for therapeutic intervention

Best Local Similarity 59.1%; Pred. No. 3.1e+02; Matches 13; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

TYPE: RNA
Organism: hsa

RESULT 3
US-11-130-645B-119663
Sequence 119663, Application US/11130645B
GENERAL INFORMATION:
APPLICANT: ROSETTA GENOMICS LTD
TITLE OF INVENTION: MICRORNAs AND USES THEREOF
FILE REFERENCE: 06087.0202.CPUS13
CURRENT APPLICATION NUMBER: US/11/130,645B
CURRENT FILING DATE: 2005-05-16
NUMBER OF SEQ ID NOS: 760616
SOFTWARE: PatentIn version 3.3
SEQ ID NO 119663
LENGTH: 64
TYPE: RNA
ORGANISM: hsa
US-11-130-645B-119663

Query Match 62.4%; Score 15.6; DB 11; Length 64;
Best Local Similarity 59.1%; Pred. No. 3.1e+02;
Matches 13; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

TYPE: RNA
Organism: hsa

RESULT 4
US-11-130-645B-139002
Sequence 139002, Application US/11130645B
GENERAL INFORMATION:
APPLICANT: ROSETTA GENOMICS LTD
TITLE OF INVENTION: MICRORNAs AND USES THEREOF
FILE REFERENCE: 06087.0202.CPUS13
CURRENT APPLICATION NUMBER: US/11/130,645B
CURRENT FILING DATE: 2005-05-16
NUMBER OF SEQ ID NOS: 760616
SOFTWARE: PatentIn version 3.3
SEQ ID NO 139002
LENGTH: 64
TYPE: RNA
ORGANISM: hsa
US-11-130-645B-139002

Query Match 62.4%; Score 15.6; DB 11; Length 64;
Best Local Similarity 59.1%; Pred. No. 3.1e+02;
Matches 13; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

TYPE: RNA
Organism: hsa

RESULT 5
US-11-130-645B-178751
Sequence 178751, Application US/11130645B
GENERAL INFORMATION:
APPLICANT: ROSETTA GENOMICS LTD
TITLE OF INVENTION: MICRORNAs AND USES THEREOF
FILE REFERENCE: 06087.0202.CPUS13
CURRENT APPLICATION NUMBER: US/11/130,645B
CURRENT FILING DATE: 2005-05-16
NUMBER OF SEQ ID NOS: 760616
SOFTWARE: PatentIn version 3.3
SEQ ID NO 178751
LENGTH: 64

Query Match 62.4%; Score 15.6; DB 11; Length 64;
Best Local Similarity 59.1%; Pred. No. 3.1e+02;
Matches 13; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

TYPE: RNA
Organism: hsa
US-11-130-645B-178751

RESULT 6
US-11-130-645B-236152
Sequence 236152, Application US/11130645B
GENERAL INFORMATION:
APPLICANT: ROSETTA GENOMICS LTD
TITLE OF INVENTION: MICRORNAs AND USES THEREOF
FILE REFERENCE: 06087.0202.CPUS13
CURRENT APPLICATION NUMBER: US/11/130,645B
CURRENT FILING DATE: 2005-05-16
NUMBER OF SEQ ID NOS: 760616
SOFTWARE: PatentIn version 3.3
SEQ ID NO 236152
LENGTH: 64
TYPE: RNA
Organism: hsa
US-11-130-645B-236152

Query Match 62.4%; Score 15.6; DB 11; Length 64;
Best Local Similarity 59.1%; Pred. No. 3.1e+02;
Matches 13; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

TYPE: RNA
Organism: hsa

RESULT 7
US-11-130-645B-307585
Sequence 307585, Application US/11130645B
GENERAL INFORMATION:
APPLICANT: ROSETTA GENOMICS LTD
TITLE OF INVENTION: MICRORNAs AND USES THEREOF
FILE REFERENCE: 06087.0202.CPUS13
CURRENT APPLICATION NUMBER: US/11/130,645B
CURRENT FILING DATE: 2005-05-16
NUMBER OF SEQ ID NOS: 760616
SOFTWARE: PatentIn version 3.3
SEQ ID NO 307585
LENGTH: 64
TYPE: RNA
Organism: hsa
US-11-130-645B-307585

Query Match 62.4%; Score 15.6; DB 11; Length 64;
Best Local Similarity 59.1%; Pred. No. 3.1e+02;
Matches 13; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

TYPE: RNA
Organism: hsa

RESULT 8
US-11-130-645B-333006
Sequence 333006, Application US/11130645B
GENERAL INFORMATION:
APPLICANT: ROSETTA GENOMICS LTD
TITLE OF INVENTION: MICRORNAs AND USES THEREOF
FILE REFERENCE: 06087.0202.CPUS13
CURRENT APPLICATION NUMBER: US/11/130,645B

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; CURRENT FILING DATE: 2005-05-16
; NUMBER OF SEQ ID NOS: 760616
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 331006
; LENGTH: 64
; TYPE: RNA
; ORGANISM: hsa
; US-11-130-645B-333006

Query Match 62.4%; Score 15.6; DB 11; Length 64;
Best Local Similarity 59.1%; Pred. No. 3.1e+02; Matches 13; Conservative 5; Mismatches 4; Indels 0; Gaps 0;
Db 25 TUAAGGGCCGCCCCUCAU 46.

RESULT 9
US-11-130-645B-627039
; Sequence 627039, Application US/11130645B
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: MICRORNAS AND USBS THEREOF
; FILE REFERENCE: 06087_0202_CPLUS13
; CURRENT APPLICATION NUMBER: US/11/130,645B
; CURRENT FILING DATE: 2005-05-15
; NUMBER OF SEQ ID NOS: 760616
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 627039
; LENGTH: 64
; TYPE: RNA
; ORGANISM: hsa
; US-11-130-645B-627039

Query Match 62.4%; Score 15.6; DB 11; Length 64;
Best Local Similarity 59.1%; Pred. No. 3.1e+02; Matches 13; Conservative 5; Mismatches 4; Indels 0; Gaps 0;
Db 22 TUAAGGGCCGCCCCUCAU 43.

RESULT 10
US-11-130-645B-688578
; Sequence 688578, Application US/11130645B
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: MICRORNAs AND USES THEREOF
; FILE REFERENCE: 06087_0202_CPLUS13
; CURRENT APPLICATION NUMBER: US/11/130,645B
; CURRENT FILING DATE: 2005-05-15
; NUMBER OF SEQ ID NOS: 760616
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 688578
; LENGTH: 64
; TYPE: RNA
; ORGANISM: hsa
; US-11-130-645B-688578

Query Match 62.4%; Score 15.6; DB 11; Length 64;
Best Local Similarity 59.1%; Pred. No. 3.1e+02; Matches 13; Conservative 5; Mismatches 4; Indels 0; Gaps 0;
Db 22 TUAAGGGCCGCCCCUCAU 43.

RESULT 11
US-11-130-645B-115601
; Sequence 115601, Application US/11130645B
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: MICRORNAs AND USES THEREOF
; FILE REFERENCE: 06087_0202_CPLUS13
; CURRENT APPLICATION NUMBER: US/11/130,645B
; CURRENT FILING DATE: 2005-05-16
; NUMBER OF SEQ ID NOS: 760616
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 115601
; LENGTH: 64
; TYPE: RNA
; ORGANISM: hsa
; US-11-130-645B-115601

Query Match 61.6%; Score 15.4; DB 11; Length 64;
Best Local Similarity 94.1%; Pred. No. 4e+02; Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Db 19 AAGGGCTGCCCCCT 3.

RESULT 12
US-11-130-645B-235099/C
; Sequence 235099, Application US/11130645B
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: MICRORNAs AND USES THEREOF
; FILE REFERENCE: 06087_0202_CPLUS13
; CURRENT APPLICATION NUMBER: US/11/130,645B
; CURRENT FILING DATE: 2005-05-16
; NUMBER OF SEQ ID NOS: 760616
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 235099
; LENGTH: 64
; TYPE: RNA
; ORGANISM: hsa
; US-11-130-645B-235099

Query Match 61.6%; Score 15.4; DB 11; Length 64;
Best Local Similarity 94.1%; Pred. No. 4e+02; Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Db 19 AAGGGCTGCCCCCT 3.

RESULT 13
US-11-130-645B-378454/C
; Sequence 378454, Application US/11130645B
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: MICRORNAs AND USES THEREOF
; FILE REFERENCE: 06087_0202_CPLUS13
; CURRENT APPLICATION NUMBER: US/11/130,645B
; CURRENT FILING DATE: 2005-05-16
; NUMBER OF SEQ ID NOS: 760616
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 378454
; LENGTH: 64
; TYPE: RNA
; ORGANISM: hsa
; US-11-130-645B-378454

Query Match 61.6%; Score 15.4; DB 11; Length 64;
Best Local Similarity 94.1%; Pred. No. 4e+02; Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Db 22 AAGGGCTGCCCCCT 6.

RESULT 14
US-11-130-645B-378454
; Sequence 378454, Application US/11130645B
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: MICRORNAs AND USES THEREOF
; FILE REFERENCE: 06087_0202_CPLUS13
; CURRENT APPLICATION NUMBER: US/11/130,645B
; CURRENT FILING DATE: 2005-05-16
; NUMBER OF SEQ ID NOS: 760616
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 378454
; LENGTH: 64
; TYPE: RNA
; ORGANISM: hsa
; US-11-130-645B-378454

Query Match 61.6%; Score 15.4; DB 11; Length 64;
Best Local Similarity 94.1%; Pred. No. 4e+02; Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Db 22 AAGGGCTGCCCCCT 6.

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RESULT 14
US-11-130-645B-378526/c
Sequence 378526, Application US/11130645B
GENERAL INFORMATION:
APPLICANT: ROSETTA GENOMICS LTD
TITLE OF INVENTION: MICRORNAs AND USES THEREOF
FILE REFERENCE: 05087-0202.CPUS13
CURRENT APPLICATION NUMBER: US/11/130,645B
CURRENT FILING DATE: 2005-05-16
NUMBER OF SEQ ID NOS: 760616
SEQ ID NO 378526
LENGTH: 64
TYPE: RNA
ORGANISM: hsa
US-11-130-645B-378526

Qy	5	AAGGGACTGCCCCRT 21
Db	22	AAGGGCCTGCCCTT 6

Query Match 61.6%; Score 15.4; DB 11; Length 64;
Best Local Similarity 94.1%; Pred. No. 4e-02; Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

RESULT 15
US-11-130-645B-427234/c
Sequence 427234, Application US/11130645B
GENERAL INFORMATION:
APPLICANT: ROSETTA GENOMICS LTD
TITLE OF INVENTION: MICRORNAs AND USES THEREOF
FILE REFERENCE: 05087-0202.CPUS13
CURRENT APPLICATION NUMBER: US/11/130,645B
CURRENT FILING DATE: 2005-05-16
NUMBER OF SEQ ID NOS: 760616
SOFTWARE: PatentIn version 3.3
SEQ ID NO 427234
LENGTH: 64
TYPE: RNA
ORGANISM: hsa
US-11-130-645B-427234

Qy	5	AAGGGACTGCCCCRT 21
Db	22	AAGGGCCTGCCCTT 6

Query Match 61.6%; Score 15.4; DB 11; Length 64;
Best Local Similarity 94.1%; Pred. No. 4e-02; Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Search completed: February 7, 2006, 12:30:41
Job time : 164 sec8

GenCore version 5.1.7
Copyright (c) 1993 - 2006 Biocceleration Ltd.

Om nucleic - nucleic search, using sw model

Run on:

February 7, 2006, 11:18:34 ; Search time 3629 Seconds
(without alignments)
380.901 Million cell updates/sec

Title: Perfect score:
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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0
Searched: 79147668 seqs, 2745789525 residues
Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Listning first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	25	100.0	1 PCT-US03-20696-7	Sequence 7, Appli
2	25	100.0	2 US-10-613-3908-1	Sequence 1, Appli
3	23.4	93.6	3 PCT-US03-2065-7	Sequence 7, Appli
4	23.4	93.6	4 US-10-613-3908-1	Sequence 1, Appli
5	17.4	69.6	5 US-10-809-189-116728	Sequence 116728,
6	17.2	68.8	6 US-09-956-584-36654	Sequence 36654,
7	17.2	68.8	7 US-09-956-604-22327	Sequence 22327, A
8	17.2	68.8	8 US-09-956-604-22327	Sequence 22327, A
9	17.2	68.8	9 US-09-956-604B-22327	Sequence 22327, A
10	17.2	68.8	10 US-60-24-049-56273	Sequence 56273, A
11	17	68.0	11 US-09-488-483A-1998	Sequence 1998, Ap
12	17	68.0	12 US-09-912-293-44099	Sequence 44099, A
13	16.4	65.6	13 US-09-488-485A-4160	Sequence 4160, Ap
14	16.4	65.6	14 US-09-488-485A-4160	Sequence 4160, Ap
15	16.4	65.6	15 US-09-912-293-11717	Sequence 117317,
16	16.4	65.6	16 US-09-912-293-11717	Sequence 117317,
17	16.2	64.8	17 US-10-956-160-52224	Sequence 52224, A
18	16.2	64.8	18 US-60-507-481-52224	Sequence 52224, A
19	16.2	64.8	19 US-11-645A-563328	Sequence 563328
20	16.2	64.8	20 US-11-110-645A-163370	Sequence 153370,
21	16	64.0	21 US-10-605-923-1462089	Sequence 1462089,
22	16	64.0	22 US-10-310-914-1266097	Sequence 1266097,
23	16	64.0	23 US-10-605-924-1296097	Sequence 1296097,

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c	26	15.8	63.2	21	53	US-10-605-913-550465
c	27	15.8	63.2	21	53	US-10-605-913-550465
c	28	15.8	63.2	21	53	US-10-605-913-550465
c	29	15.8	63.2	21	53	US-10-605-913-550465
c	30	15.8	63.2	23	53	US-10-605-913-550465
c	31	15.8	63.2	23	53	US-10-605-913-550465
c	32	15.8	63.2	23	53	US-10-605-913-550465
c	33	15.8	63.2	25	49	US-10-707-975B-31106
c	34	15.8	63.2	25	60	US-10-355-677-621204
c	35	15.8	63.2	25	60	US-10-719-900-27715
c	36	15.8	63.2	25	62	US-10-809-189-116728
c	37	15.8	63.2	25	66	US-11-036-317-18663
c	38	15.8	63.2	25	66	US-11-036-317-225389
c	39	15.8	63.2	25	66	US-11-036-317-2253256
c	40	15.8	63.2	25	66	US-11-036-317-2253892
c	41	15.8	63.2	25	66	US-11-036-317-2253549
c	42	15.8	63.2	25	66	US-11-036-317-372722
c	43	15.8	63.2	25	66	US-11-036-317-792111
c	44	15.8	63.2	78	78	US-60-353-887-621452
c	45	15.8	63.2	79	78	US-60-353-887-621452

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RESOLU

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; FILE REFERENCE: 60/490,137
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; CURRENT FILING DATE: 2003-07-03
; PRIOR APPLICATION NUMBER: 10/613390
; PRIOR FILING DATE: 2003-07-03
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: Patentin version 3.2
; SEQ ID NO: 1
; LENGTH: 25
; TYPE: DNA
; ORGANISM: artificial sequence
; FEATURE:
; OTHER INFORMATION: synthetic primer
US-10-613-390B-1

Query Match          100 %; Score 2
Best Local Similarity 100 %; Pred. N
Matches      25; Conservative 0; Mismata
Oy           1 TATTAAGGGGCTGCAGCCCTTATA 25
Db           1 TATTAGGGGCTGCAGCCCTTATA 25

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90B

PRIOR APPLICATION NUMBER: 10/613390
 PRIOR FILING DATE: 2003-07-03
 NUMBER OF SEQ ID NOS: 1
 SOFTWARE: Patentin version 3.2
 SEQ ID NO 1
 LENGTH: 25
 TYPE: DNA
 ORGANISM: artificial sequence
 FEATURE:
 OTHER INFORMATION: synthetic primer
 US-10-613-390B-1

Query Match 93.6%; Score 23.4; DB 53; Length 25;
 Best Local Similarity 96.0%; Pred. No. 25; Mismatches 0;
 Matches 24; Conservative 0; Indels 0; Gaps 0;
 Qy 1 TATTAAGGCGCTGACCCCTTATA 25
 Db 25 TATTAAGGCGCTGACCCCTTATA 1

RESULT 5

US-10-809-189-116728/c

Sequence 116728, Application US/10809189
 GENERAL INFORMATION:
 APPLICANT: Michael Mittmann

APPLICANT: David Mack
 APPLICANT: Affymetrix, Inc.

TITLE OF INVENTION: Methods of Genetic Analysis

FILE REFERENCE: 3117.1

CURRENT APPLICATION NUMBER: US/10/809,189

CURRENT FILING DATE: 2004-03-25

PRIOR APPLICATION NUMBER: US/09/395,196

PRIOR FILING DATE: 1999-09-15

PRIOR APPLICATION NUMBER: 60/100,678

PRIOR FILING DATE: 1998-09-17

NUMBER OF SEQ ID NOS: 127806

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 116728

LENGTH: 25

TYPE: DNA

ORGANISM: mus musculus

US-10-809-189-116728

Query Match 69.6%; Score 17.4; DB 62; Length 25;
 Best Local Similarity 94.7%; Pred. No. 9.5e+03; Mismatches 1;
 Matches 18; Conservative 0; Indels 0; Gaps 0;

Qy 6 AGGGGCCCTGCCTTAAT 24

Db 25 AGGGCCCTGCCTTAAT 7

RESULT 6

US-09-956-584A-366654/c

Sequence 366654, Application US/09956584A

GENERAL INFORMATION:
 APPLICANT: Mittmann, Michael
 TITLE OF INVENTION: Genetic Analysis of Mouse

FILE REFERENCE: 3115.1

CURRENT APPLICATION NUMBER: US/09/956,584A

CURRENT FILING DATE: 2001-09-19

PRIOR APPLICATION NUMBER: 60/234,049

PRIOR FILING DATE: 2000-09-19

NUMBER OF SEQ ID NOS: 141629

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 366654

LENGTH: 25

TYPE: DNA

ORGANISM: Mus musculus

US-09-956-584A-366654

Query Match 68.8%; Score 17.2; DB 38; Length 25;
 Best Local Similarity 86.4%; Pred. No. 1.2e+04; Mismatches 3; Indels 0; Gaps 0;
 Matches 19; Conservative 0; Indels 0; Gaps 0;
 Qy 1 TATTAAGGCGCTGACCCCTTA 22
 Db 24 TATTAAGGCGCTGACCCCTTA 3

RESULT 7
 US-09-956-604-22327/c
 Sequence 22327, Application US/09956604
 GENERAL INFORMATION:
 APPLICANT: Mittmann, Michael
 TITLE OF INVENTION: Methods of Genetic Analysis of Escherichia coli
 FILE REFERENCE: 3117.1
 CURRENT APPLICATION NUMBER: US/09/956,604
 CURRENT FILING DATE: 2001-09-19
 PRIOR APPLICATION NUMBER: 60/234,049
 PRIOR FILING DATE: 2000-09-19
 NUMBER OF SEQ ID NOS: 141629
 SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
 SEQ ID NO 22327
 LENGTH: 25

TYPE: DNA

ORGANISM: Escherichia coli

US-09-956-604-22327

Query Match 68.8%; Score 17.2; DB 38; Length 25;
 Best Local Similarity 86.4%; Pred. No. 1.2e+04; Mismatches 3; Indels 0; Gaps 0;

Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 TATTAAGGCGCTGACCCCTTA 22

Db 24 TATTAAGGCGCTGACCCCTTA 3

RESULT 9
 US-09-956-604B-22327/c
 Sequence 22327, Application US/09956604B
 GENERAL INFORMATION:
 APPLICANT: Mittmann, Michael
 TITLE OF INVENTION: Methods of Genetic Analysis of Escherichia coli
 FILE REFERENCE: 3117.1
 CURRENT APPLICATION NUMBER: US/09/956,604B

CURRENT FILING DATE: 2001-09-19
; PRIORITY APPLICATION NUMBER: 60/234,049
; PRIOR FILING DATE: 2000-09-19
; NUMBER OF SEQ ID NOS: 141629
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO: 22327
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Escherichia coli
; LOCATION: (98)
; OTHER INFORMATION: n equals a,t,g, or c

US-09-956-604B-22327

Query Match 68.8%; Score 17.2; DB 38; Length 25;
Best Local Similarity 86.4%; Pred. No. 1.2e+04;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 TATTAAGGGCTTGGCCCTTA 22
Db 24 TATTAACGGCTTGTGCTCTTA 3

RESULT 10

US-60-234-049-56273/C
; Sequence 56273, Application US/60234049
; GENERAL INFORMATION:
; APPLICANT: Mittmann, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of
; TITLE OR INVENTION: Methods of Genetic Analysis of
; FILE REFERENCE: 3117
; CURRENT APPLICATION NUMBER: US/60/234,049
; CURRENT FILING DATE: 2000-09-19
; NUMBER OF SEQ ID NOS: 141629
; SOFTWARE: FastSBQ for Windows Version 4.0
; SEQ ID NO: 56273
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Escherichia coli
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: GenBank U00096
; US-60-234-049-56273

Query Match 68.8%; Score 17.2; DB 77; Length 25;
Best Local Similarity 86.4%; Pred. No. 1.2e+04;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 TATTAAGGGCTTGGCCCTTA 22
Db 24 TATTAACGGCTTGTGCTCTTA 3

RESULT 11

US-09-498-485A-1998
; Sequence 1998, Application US/09498485A
; GENERAL INFORMATION:
; APPLICANT: Rosen, et. al.
; TITLE OF INVENTION: Human Genes, Sequences, and Expression Products 100
; FILE REFERENCE: PO-100
; CURRENT APPLICATION NUMBER: US/09/312,293
; CURRENT FILING DATE: 2001-07-26
; CURRENT FILING DATE: 2001-07-26
; PRIOR APPLICATION NUMBER: 08/103,744
; PRIOR FILING DATE: 1993-08-09
; PRIOR APPLICATION NUMBER: 09/249,651
; PRIOR FILING DATE: 1993-02-12
; PRIOR APPLICATION NUMBER: 08/104,507
; PRIOR FILING DATE: 1993-08-09
; PRIOR APPLICATION NUMBER: 08/196,363
; PRIOR FILING DATE: 1994-02-15
; PRIOR APPLICATION NUMBER: 09/859,490
; PRIOR FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: 08/196,362
; PRIOR FILING DATE: 1994-02-15
; PRIOR APPLICATION NUMBER: 08/221,623
; PRIOR FILING DATE: 1994-03-31
; PRIOR APPLICATION NUMBER: 08/220,691
; PRIOR FILING DATE: 1994-03-31
; PRIOR APPLICATION NUMBER: 09/741,830
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 09/813,155
; PRIOR FILING DATE: 2001-03-21
; Remaining Prior Application Data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 244538
; SEQ ID NO 44099
; LENGTH: 99
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
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US-09-912-293-44099

Query Match 68.0%; Score 17; DB 24; Length 99;
Best Local Similarity 80.0%; Pred. No. 1.6e+04;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 1 TATTAAGGGCTTGGCCCTTA 25
Db 9 TATTAACGGCTTGTGCTCTGA 33

RESULT 12

US-09-912-293-44099
; Sequence 44099, Application US/09912293
; GENERAL INFORMATION:
; APPLICANT: Rosen, et. al.
; TITLE OF INVENTION: Human Genes, Sequences, and Expression Products 100
; FILE REFERENCE: PO-100
; CURRENT APPLICATION NUMBER: US/09/312,293
; CURRENT FILING DATE: 2001-07-26
; CURRENT FILING DATE: 2001-07-26
; PRIOR APPLICATION NUMBER: 08/103,744
; PRIOR FILING DATE: 1993-08-09
; PRIOR APPLICATION NUMBER: 09/249,651
; PRIOR FILING DATE: 1993-02-12
; PRIOR APPLICATION NUMBER: 08/104,507
; PRIOR FILING DATE: 1993-08-09
; PRIOR APPLICATION NUMBER: 08/196,363
; PRIOR FILING DATE: 1994-02-15
; PRIOR APPLICATION NUMBER: 09/859,490
; PRIOR FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: 08/196,362
; PRIOR FILING DATE: 1994-02-15
; PRIOR APPLICATION NUMBER: 08/221,623
; PRIOR FILING DATE: 1994-03-31
; PRIOR APPLICATION NUMBER: 08/220,691
; PRIOR FILING DATE: 1994-03-31
; PRIOR APPLICATION NUMBER: 09/741,830
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 09/813,155
; PRIOR FILING DATE: 2001-03-21
; Remaining Prior Application Data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 244538
; SEQ ID NO 44099
; LENGTH: 99
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
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; LOCATION: (39)-(39)
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; NAME/KEY: misc_feature
; LOCATION: (73)-(73)
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; FEATURE:
; NAME/KEY: misc_feature

US-09-498-485A-1998

PRIOR APPLICATION NUMBER: 09/220,691
 PRIOR FILING DATE: 1994-03-31
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 PRIOR FILING DATE: 2000-12-22
 PRIOR APPLICATION NUMBER: 09/813,155
 PRIOR FILING DATE: 2001-03-21
 Remaining Prior Application data removed - See File Wrapper or PALM.
 NUMBER OF SEQ ID NOS: 244538
 SEQ ID NO 117317
 LENGTH: 99
 TYPE: DNA
 ORGANISM: Homo sapiens
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 NAME/KEY: misc_feature
 LOCATION: (8)..(8)
 OTHER INFORMATION: n is equal to a,t,g, or c
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: (19)..(19)
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 NAME/KEY: misc_feature
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 OTHER INFORMATION: n is equal to a,t,g, or c
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 LOCATION: (82)..(82)
 OTHER INFORMATION: n is equal to a,t,g, or c
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 OTHER INFORMATION: n is equal to a,t,g, or c
 US-09-912-293-117317

Query Match 65.6%; Score 16.4; DB 35; Length 99;
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 Matches 17; Conservative 0; Gaps 0; Indels 0;

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 Job time : 3631 secs

GenCore version 5.1.7
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Om nucleic - nucleic search, using sw model

Run on: February 7, 2006, 10:53:05 ; Search time 272 Seconds

(without alignments)
612.564 Million cell updates/sec

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Searched: 4996997 seqs, 3332346308 residues

Minimum DB seq length: 0
Maximum DB seq length: 100

Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing first 45 summaries

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 7: geneseqn2002bs;*
 8: geneseqn2003as;*
 9: geneseqn2003bs;*
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 14: geneseqn2005s;*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description	RESULT 1
1	25	100.0	25 12 ADK67857	ADK67857 Transcript	ADK67857 standard; DNA; 25 BP.
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C	3	15.8	51 4 AAL10340	Aal10340 Human SNP	
C	4	15.4	61.6 50 4 AML31509	Aal131509 Human SNP	
C	5	15.4	61.6 50 4 AML31509	Aal131507 Human SNP	
C	6	15	60.0 90 14 ACL62385	Ac162385 Human col	
C	7	14.4	57.6 70 2 AAT71443	Aat71443 Glioblast	
C	8	14.2	56.8 31 3 AAT78645	Aat78645 Human gen	
C	9	14.2	56.8 49 2 AAQ6655	Aaq6655 Human ade	
C	10	14.2	56.8 49 2 AAG9655	Aag9655 Human ade	
C	11	14.2	56.8 49 2 AAT64117	Aat64117 Human ade	
C	12	14.2	56.8 49 2 AAT64117	Aat64117 Human ade	
C	13	14.2	56.8 49 2 AAT7405	Aat7405 Test sequ	
C	14	14.2	56.8 49 2 AAX1705	Aax1705 Test sequ	
C	15	14.2	56.8 49 6 ABK82896	Abk82896 DNA bindi	
C	16	14.2	56.8 49 6 ABK82896	Abk82896 DNA bindi	
C	17	14.2	56.8 49 12 ADE80435	Ad80435 Duplex ol	
C	18	14.2	56.8 49 12 ADE80435	Ad80435 Duplex ol	
C	19	14.2	56.8 51 4 AAL0340	Aal0340 Human SNP	

ALIGNMENTS

c	20	14	56.0	18 2 AAX04573	Rax04573 PCR prime
c	21	14	56.0	63 2 AAZ11454	Aaz11454 Wild-type
c	22	13.8	55.2	21 10 ADD94048	Add94048 PCR prime
c	23	13.8	55.2	21 10 ADD94058	Add94058 PCR prime
c	24	13.8	55.2	25 9 ACK17136	Ack17136 Human mic
c	25	13.8	55.2	25 9 ACK17137	Ack17137 Human mic
c	26	13.8	55.2	37 12 ADK17981	Adk17981 Saturatio
c	27	13.8	55.2	37 12 ADJ53933	Adj53933 Site satu
c	28	13.8	55.2	37 12 ADJ53934	Adj53934 Site satu
c	29	13.8	55.2	37 12 ABT34022	Abt34022 Human pig
c	30	13.8	55.2	45 8 ABK24770	Aak24770 Human bra
c	31	13.8	55.2	50 4 ABL31509	Abl31509 Human SNP
c	32	13.8	55.2	51 4 ABL31507	Abl31507 Human gen
c	33	13.8	55.2	61 3 AAC11080	Aac11080 Human SNP
c	34	13.8	55.2	63 4 ABL27785	Aai27785 Probe #17
c	35	13.8	55.2	83 4 ABL76096	Aba76096 Human foie
c	36	13.8	55.2	42 6 ABL95768	Abl95768 Rat GALT-
c	37	13.8	55.2	49 10 ADB67044	Adb67044 Mouse Gal
c	38	13.8	55.2	54 4 ADM7895	Adm7895 Gene expr
c	39	13.6	54.4	22 10 ADJ93320	Adj93320 Novel NOV
c	40	13.6	54.4	30 14 ADZ11539	Adz11539 Human col
c	41	13.6	54.4	32 5 AAF61993	Aaf61993 K marxia
c	42	13.6	54.4	42 6 ABL95768	Abl95768 Rat GALT-
c	43	13.6	54.4	49 10 ADB67044	Adb67044 Mouse Gal
c	44	13.6	54.4	54 4 ADM7895	Adm7895 Gene expr
c	45	13.6	54.4	70 14 ADZ27716	Adz27716 Chemosens

XX	Key	Location/Qualifiers			
FT	EH	1..6			
FT	FT	/*tag= a			
FT	FT	7..12			
FT	FT	/*tag= b			
XX	DN	W02004012654-A2.			
XX	PD	12-FEB-2004.			
XX	PF	30-JUN-2003; 2003WO-US020696.			
XX	DR	01-AUG-2002; 2002US-04001137P.			
XX	PA	(GENE-) GENE CLONING INC.			
XX	PA	Zhu Z, Cui Y, Ding Q, Li L, Wang Z;			
XX	DR	WPI; 2004-156997/15.			
XX	PS	Example 21; SEQ ID NO 7; 36pp; English.			
XX	CC	The present sequence is that of oligo #2, a 25-mer single-stranded			

CC oligonucleotide that includes a TATA signal and GC signal sequence. Oligo #2 is used in a claimed method of modulating transcription in a cell. The invention provides compositions and methods for treating a proliferative disorder, in particular lung cancer, melanoma or leukaemia (claimed), comprising administering a proliferation-inhibiting amount of a single-stranded oligonucleotide that is capable of binding to one or more DNA-binding proteins or RNA primers. In an example from the invention, mice were administered p388 leukaemia cancer cells by i.p. injection and then received i.v. injections of oligo #2 and/or oligo #4 (a 7-mer random oligo DNA). Results showed that oligo #2 at a dosage of 1 mg/kg/day i.v. with oligo #4 at 1 mg/kg/day i.v. attained perfect results, up to 36 days after cancer cell injection, with a 100% survival rate. The results showed that oligo #2 could attain a 60% survival rate. The results showed that oligo #2 could interfere with RNA transcription.

CC Sequence 25 BP; 6 A; 6 C; 6 G; 7 T; 0 U; 0 Other;
 CC Best Local Similarity 100.0%; Pred. No. 0.01; 0; Mismatches 0; Matches 25; Conservative 0; Indels 0; Gaps 0;

Query Match 100.0%; Score 25; DB 12; Length 25;

Db 1 TATTAAGGGCCCTGGCCCTTATA 25
 ||||| ||||| ||||| |||||
 TATTAAGGGCCCTGGCCCTTATA 25

RESULT 2
 ADK67857/c
 ID ADK67857 standard; DNA; 25 BP.

XX AC ADK67857;
 XX DT 06-MAY-2004 (first entry)

DB Transcription activator-binding oligonucleotide (oligo #2).
 XX Cytostatic; lung cancer; melanoma; leukaemia; gene therapy; ss.
 KW Synthetic.
 OS

PH Key TATA_signal
 FT Location/Qualifiers
 FT 1.-6
 FT /*tag= a
 FT 7.-12
 FT /*tag= b
 PN WO200412654-A2.
 XX 12-FEB-2004.
 XX 30-JUN-2003; 2003WO-US020596.
 PP PR 01-AUG-2002; 2002US-040013TP.
 PR PA XX (GENE-) GENE CLONING INC.
 PA DR XX Zhu Z, Cui Y, Ding Q, Li L, Wang Z;
 PT DR WPI; 2004-156997/15.

PT treating a proliferative disorder in a subject comprises administering a proliferation-inhibiting amount of a single-stranded oligonucleotide capable of binding to one or more DNA-binding proteins or RNA primers in the subject.
 Example 21; SEQ ID NO 7; 36PP; English.
 CC The present sequence is that of oligo #2, a 25-mer single-stranded oligonucleotide that includes a TATA signal and GC signal sequence. Oligo #2 is used in a claimed method of modulating transcription in a cell. The invention provides compositions and methods for treating a proliferative disorder, in particular lung cancer, melanoma or leukaemia (claimed), comprising administering a proliferation-inhibiting amount of a single-

CC stranded oligonucleotide that is capable of binding to one or more DNA-binding proteins or RNA primers. In an example from the invention, mice were administered p388 leukaemia cancer cells by i.p. injection and then received i.v. injections of oligo #2 and/or oligo #4 (a 7-mer random oligo DNA). Results showed that oligo #2 at a dosage of 1 mg/kg/day i.v. with oligo #4 at 1 mg/kg/day i.v. attained perfect results, up to 36 days after cancer cell injection, with a 100% survival rate. The 7-mer alone attained a 60% survival rate. The results showed that oligo #2 could interfere with RNA transcription.

CC Sequence 25 BP; 6 A; 6 C; 6 G; 7 T; 0 U; 0 Other;
 CC Best Local Similarity 93.6%; Pred. No. 0.065; 0; Mismatches 24; Matches 24; Conservative 0; Indels 1; Gaps 0;

Query Match 93.6%; Score 23.4; DB 12; Length 25;

Db 1 TATTAAGGGCCCTGGCCCTTATA 25
 ||||| ||||| ||||| |||||
 TATTAAGGGCCCTGGCCCTTATA 1

RESULT 3
 AAL30340/c
 ID AAL30340 standard; DNA; 51 BP.

XX AC AAL30340;
 XX DT 24-JAN-2002 (first entry)

DB Human SNP oligonucleotide #3548.
 XX Immunosuppressive; immunostimulatory; antiinflammatory; cytostatic; neuroprotective; antimicrobial; gene therapy; vaccine; amylase; cancer; amyloid protein; angiopoietin; apoptosis related protein; cadherin; cyclin; polymerase; oncogene; histone; kinase; colony stimulating factor; complement related protein; cytochrome; kinesin; cytokine; interferon; interleukin; G-protein coupled receptor; thioesterase; inflammation; multifactorial disease; autoimmune disease; infection; nervous system disease; ss.
 XX OS Homo sapiens.
 XX PN WO2004147944-A2.
 XX PD 05-JUL-2001.
 XX PP 28-DEC-2000; 2000WO-US035498.
 XX PR 28-DEC-1999; 99US-0173419P.
 XX PR 27-DEC-2000; 2000US-00173419.
 XX (CURA-) CURAGEN CORP.
 PA PI Shimkets RA, Leach M;
 XX DR WPI; 2001-465210/50.

PT polymorphic nucleic acids encoding e.g. amylases, cyclins, polymerases, oncogenes and histones, useful for diagnosing and treating, e.g. cancer, autoimmune diseases and infections.

PT claim 1; Page 2404; 4143pp; English.
 CC The present invention relates to oligonucleotides encoding polymorphic variants of proteins related to amylases, amyloid proteins, angiopoietin, apoptosis related proteins, cadherin, cyclin, polymerase, oncogenes, histones, kinases, colony stimulating factors, complement related proteins, cytochromes, kinases, cytokines, interferons, interleukins, G-protein coupled receptors and thiosterases. The present sequence is one such oligonucleotide. The oligonucleotides and the peptides encoded by them may be used in the prevention, diagnosis and treatment of diseases associated with inappropriate expression of the proteins listed above. Disorders that may be prevented, diagnosed and/or treated include

multifactorial diseases with a genetic component, such as autoimmune diseases (e.g. rheumatoid arthritis, multiple sclerosis, diabetes, inflammatory, cancer (e.g. cancers of the bladder, brain, breast, colon and kidney, leukaemia), diseases of the nervous system and an infection of pathogenic organisms

CC Sequence 51 BP; 14 A; 16 C; 18 G; 3 T; 0 U; 0 Other;

CC Query Match 63.2%; Score 15.8; DB 4; Length 51;

CC Best Local Similarity 89.5%; Pred. No. 5.4e+02;

CC Matches 17; Conservative 0; Mismatches 2;

CC Indels 0; Gaps 0;

CC Sq 1 TATTTAGGGGCTGGCCCC 19

CC Db 31 TTTTAGGGGGCTGGCCCC 13

RESULT 4

AAL31509/c

ID AAL31509 standard; DNA; 50 BP.

XX

AC AAL31509;

XX

DT 24-JAN-2002 (first entry)

XX Human SNP oligonucleotide #4717.

DE Human SNP oligonucleotide #4717.

XX

KW Immunosuppressive; immunostimulatory; antiinflammatory; cytostatic; neuroprotective; antimicrobial; gene therapy; vaccine; amylase; cancer; amyloid protein; angiopoietin; apoptosis related protein; cadherin; cyclin; polymerase; oncogene; histone; kinase; colony stimulating factor; complement related protein; cytochrome; kinesin; cytokine; interferon; interleukin; G-protein coupled receptor; thioesterase; inflammation; multifactorial disease; autoimmune disease; infection; nervous system disease; ss.

KW

OS Homo sapiens.

XX

PN WO20147944-A2.

XX

PD 05-JUL-2001.

XX

PR 28-DEC-2000; 2000WO-US035498.

XX

PR 28-DEC-1999; 99US-0173419P.

XX

PR 27-DEC-2000; 2000US-00173419.

XX

PA (CURA-) CURAGEN CORP.

XX

PA (CURA-) CURAGEN CORP.

XX

PT Shimkets RA, Leach M;

XX

PT Shimkets RA, Leach M;

XX

PT WPI; 2001-465210/50.

XX

PT DR

XX

PT WPI; 2001-465210/50.

XX

PT Polymorphic nucleic acids encoding e.g. amylases, cyclins, polymerases, oncoproteins and histones, useful for diagnosing and treating, e.g. cancer, autoimmune diseases and infections.

XX

PT Polymorphic nucleic acids encoding e.g. amylases, cyclins, polymerases, oncoproteins and histones, useful for diagnosing and treating, e.g. cancer, autoimmune diseases and infections.

XX

PS Claim 1; Page 2743; 4143pp; English.

CC The present invention relates to oligonucleotides encoding polymorphic variants of proteins related to amylases, amylid proteins, angiopoietin, apoprotein related proteins, cadherin, cyclin, polymerase, oncoproteins, histones, kinases, colony stimulating factors, complement related proteins, cytochromes, kinesins, cytokines, interferons, interleukins, G-protein coupled receptors and thioesterases. The present sequence is one such oligonucleotide. The oligonucleotides and the peptides encoded by them may be used in the prevention, diagnosis, and treatment of diseases associated with inappropriate expression of the proteins listed above. Disorders that may be prevented, diagnosed and/or treated include disorders that may be prevented, diagnosed and/or treated include multifactorial diseases with a genetic component, such as autoimmune diseases (e.g. rheumatoid arthritis, multiple sclerosis, diabetes, (e.g. cancers of the bladder, brain, breast, colon and kidney, leukaemia), diseases of the nervous system and an infection of pathogenic organisms

CC Sequence 50 BP; 8 A; 17 C; 19 G; 6 T; 0 U; 0 Other;

CC Query Match 61.6%; Score 15.4; DB 4; Length 50;

CC Best Local Similarity 94.1%; Pred. No. 8.7e+02;

CC Matches 16; Conservative 0; Mismatches 1;

CC Indels 0; Gaps 0;

CC Sq 4 TAGGGGCCTGGCCCT 20

CC Db 18 TAGGGGCCTGGCCACT 2

RESULT 5

AAL31507/c

ID AAL31507 standard; DNA; 50 BP.

XX

AC AAL31507;

XX

DT 24-JAN-2002 (first entry)

XX Human SNP oligonucleotide #4715.

DE Human SNP oligonucleotide #4715.

XX

KW Immunosuppressive; immunostimulatory; antiinflammatory; cytostatic; neuroprotective; antimicrobial; gene therapy; vaccine; amylase; cancer; amyloid protein; angiopoietin; apoptosis related protein; cadherin; cyclin; polymerase; oncogene; histone; kinase; colony stimulating factor; complement related protein; cytochrome; kinesin; cytokine; interferon; interleukin; G-protein coupled receptor; thioesterase; inflammation; multifactorial disease; autoimmune disease; infection; nervous system disease; ss.

KW

OS Homo sapiens.

XX

PN WO20147944-A2.

XX

PD 05-JUL-2001.

XX

PR 28-DEC-2000; 2000WO-US035498.

XX

PR 28-DEC-1999; 99US-0173419P.

XX

PR 27-DEC-2000; 2000US-00173419.

XX

PA (CURA-) CURAGEN CORP.

XX

PA (CURA-) CURAGEN CORP.

XX

PT Shimkets RA, Leach M;

XX

DR

XX

PT Polymorphic nucleic acids encoding e.g. amylases, cyclins, polymerases, oncoproteins and histones, useful for diagnosing and treating, e.g. cancer, autoimmune diseases and infections.

XX

PS Claim 1; Page 2743; 4143pp; English.

CC The present invention relates to oligonucleotides encoding polymorphic variants of proteins related to amylases, amylid proteins, angiopoietin, apoprotein related proteins, cadherin, cyclin, polymerase, oncoproteins, histones, kinases, colony stimulating factors, complement related proteins, cytochromes, kinesins, cytokines, interferons, interleukins, G-protein coupled receptors and thioesterases. The present sequence is one such oligonucleotide. The oligonucleotides and the peptides encoded by them may be used in the prevention, diagnosis, and treatment of diseases associated with inappropriate expression of the proteins listed above. Disorders that may be prevented, diagnosed and/or treated include disorders that may be prevented, diagnosed and/or treated include multifactorial diseases with a genetic component, such as autoimmune diseases (e.g. rheumatoid arthritis, multiple sclerosis, diabetes, (e.g. cancers of the bladder, brain, breast, colon and kidney, leukaemia), diseases of the nervous system and an infection of pathogenic organisms

CC (e.g. cancers of the bladder, brain, breast, colon and kidney, leukaemia), diseases of the nervous system and an infection of pathogenic organisms

XX SQ Sequence 50 BP; 8 A; 14 C; 22 G; 6 T; 0 U; 0 Other;
 XX SQ Query Match 61.6%; Score 15.4; DB 4; Length 50;
 XX Best Local Similarity 94.1%; Pred. No. 8.7e+02; Matches 16;
 XX保守性 0; Mismatches 1; Indels 0; Gaps 0;
 QY 4 TAAGGGCTTGGCCCT 20
 Db 44 TAAGGGCTTGSCCACT 28

RESULT 6
 ACL62385
 ID ACL62385 standard; cDNA; 90 BP.
 XX
 AC ACT62385;
 XX
 DT 24-MAR-2005 (first entry)
 XX Human colon cancer differentially expressed polynucleotide, SEQ ID:8520.
 KW Differential expression; diagnosis; therapy; drug screening; cancer;
 KW neoplasm; colon tumor; breast tumor; pancreas tumor; cytostatic; vaccine;
 KW ss.
 XX Homo sapiens.
 OS
 PN WO2005000087-A2.
 XX
 PD 06-JAN-2005.
 XX 13-MAY-2004; 2004WO-US015421.
 PR 03-JUN-2003; 2003US-0475872P.
 XX
 XX (CHIR) CHIRON CORP.
 PT Randazzo F, Moler B, Escobedo J, Garcia PD;
 XX DR WPI; 2005-075421/08.
 XX
 PT New isolated polynucleotides, which are differentially expressed in colon
 PT cancer cell, useful for treating cancer, e.g. colon cancer, breast
 PT cancer, or pancreatic cancer.
 XX
 PS Claim 1; SEQ ID NO 8520; 97pp; English.
 XX
 CC The invention relates to 972 polynucleotides (ACT53866-ACI63537) which
 CC are differentially expressed in colon cancer cells. The invention also
 CC relates to vectors and host cells comprising a differentially expressed
 CC polynucleotide of the invention; a method for detecting a cancerous cell
 CC by detection of a gene product of the polynucleotides; a method for
 CC inhibiting a cancerous phenotype of a cell by inhibiting a gene product
 CC of the polynucleotides; a method of treating an individual with cancer by
 CC administration of a modulator of a gene product of the polynucleotides;
 CC and an isolated antibody that specifically binds to a polypeptide encoded
 CC by one of the 9672 polynucleotides. The polynucleotides, polypeptides,
 CC antibodies, and methods are useful for the detection of cancerous cells;
 CC for the diagnosis, prognosis and management of cancer; for the
 CC identification of agents that modulate the phenotype of cancerous cells;
 CC for the identification of therapeutic targets for cancer chemotherapy;
 CC and for the treatment of cancer, especially colon cancer and metastasized
 CC colon cancer, but also breast or pancreatic cancer. The polynucleotides
 CC are also useful as a source of probes or primers for use in diagnostic
 CC methods. The differentially expressed polynucleotides or their encoded
 CC proteins can additionally be used as vaccines to modulate primary immune
 CC responses for the prevention or treatment of cancer. The present sequence
 CC represents a specifically claimed polynucleotide which is differentially
 CC expressed in colon cancer. Note: The sequence data for this patent did
 not form part of the printed specification, but was obtained in
 CC electronic format directly from WIPO at
 ftp.wipo.int/pub/published_pc_sequences

XX SQ Sequence 90 BP; 21 A; 32 C; 22 G; 15 T; 0 U; 0 Other;
 XX SQ Query Match 60.0%; Score 15; DB 14; Length 90;
 XX Best Local Similarity 78.3%; Pred. No. 1.5e+03; Matches 18;
 XX保守性 0; Mismatches 5; Indels 0; Gaps 0;
 QY 3 TAAGGGACCTGGCCCTAATA 25
 Db 35 TTAAGGGGTTGGCCCTGAAGA 57

RESULT 7
 AAT7143/c
 ID AAT7143 standard; DNA; 70 BP.
 XX
 AC AAT7143;
 XX
 DT 01-AUG-1997 (first entry)
 XX DE Glioblastoma U251 cell line ligand GBI.86.
 KW Ligand; glioblastoma; brain; tumour; SELEX; in vivo; imaging;
 KW systematic evolution of ligands by exponential enrichment; cancer;
 KW drug delivery; cell line; ss.
 XX OS Synthetic.
 XX PN WO933875-A1.
 XX
 PD 07-NOV-1995.
 XX PR 01-MAY-1996; 96WO-US006060.
 XX PR 03-MAY-1995; 95US-00433585.
 PR 03-MAY-1995; 95US-00433425.
 PR 03-MAY-1995; 95US-00437667.
 XX PA (NEXS-) NEWSTAR PHARM INC..
 PA (UYR-) UNIV RES CORP.
 XX PI Jensen KB, Chen H, Morris KN, Stephens A, Gold L;
 XX DR WPI; 1996-506022/50.
 XX
 PT Identifying nucleic acid ligands for tissues - by contacting candidate
 PT mixt. of nucleic acids with tissue and enriching for increased affinity
 XX nucleic acids.
 PS Claim 22; Page 70; 110pp; English.
 XX
 CC The present sequence is a single stranded DNA ligand to the human brain
 CC tumour derived glioblastoma U251 cell line, prepared by systematic
 CC evolution of ligands by exponential enrichment (SELEX). A single stranded
 CC DNA pool was incubated with U251 cells, and the tighter binding sequences
 CC partitioned from the rest of the pool by filtering the reaction through
 CC nitrocellulose filters. Twenty rounds of selection were carried out,
 CC using a decreasing concentration of U251 cells as the SELEX progressed.
 CC ligands to glioblastoma cell lines can be used in vivo to image
 CC glioblastomas, and for the therapeutic localisation of the ligand or
 CC other attached therapeutic agents
 XX Sequence 70 BP; 11 A; 20 C; 14 G; 25 T; 0 U; 0 Other;
 XX
 QY 57.6%; Score 14.4; DB 2; Length 70;
 XX Best Local Similarity 75.0%; Pred. No. 3e+03; Matches 18;
 XX保守性 0; Mismatches 6; Indels 0; Gaps 0;
 Db 2 ATTAAAGGGCTTGCCCTTATA 25
 Db 60 ATTAAGGGCTTGAGCTTACA 37

RESULT 8
 AAA78645
 ID AAA78645 standard; DNA; 31 BP.
 XX
 AC AAA78645;
 XX
 DT 20-NOV-2000 (first entry)
 XX Human genomic DNA polymorphic site sequence tag SEQ ID NO:15.
 KW Human; genomic DNA; polymorphism; genome; allele-specific; primer; probe;
 KW hybridisation; polymorphic site; forensic; paternity testing; medicine;
 KW phenotypic trait; genetic analysis; genetic mapping; ds.
 XX Homo Sapiens.
 XX EP1024200-A2.
 XX PD 02-AUG-2000.
 XX PF 26-JAN-2000; 2000EP-00250023.
 XX PR 27-JAN-1999; 99US-00238402.
 XX PA (AFFY-) AFFYMETRIX INC.
 XX PI Patil N, Shah N, Warrington JA;
 DR WPI; 2000-500198/45.
 XX PT Human genomic polymorphic nucleic acid segments, allele specific primers
 PT and probes, and methods of analysis, useful for e.g. forensics, paternity
 PT testing, genetic mapping.
 PS Claim 1; Page 5; 141pp; English.

XX The present invention describes a nucleic acid segment of 10-100 contiguous bases chosen from one of 62 fragments (AAA78631 to AAA79262), where the segment comprises a polymorphic site or an immediately adjacent base, or the complement of the segment. Also described are: (1) an allele -specific oligonucleotide that hybridises to a segment of the novelty; (2) an isolated nucleic acid comprising a sequence of the novelty where the polymorphic site within the sequence is occupied by a base other than the reference base indicated in the specification; and (3) analysing a nucleic acid, comprising obtaining a nucleic acid from an individual, and determining a base occupying any one of the polymorphic sites of the novelty. The nucleic acid segments and method can be used to analyse an individuals nucleic acid sequences for the presence of polymorphisms. The method can also be used to test for a disease phenotype and correlate the presence of the phenotype with a particular polymorphism. The presence of polymorphic sites are useful for, e.g. forensics, paternity testing, correlation of polymorphisms with phenotypic traits and for genetic mapping of phenotypic traits. AA78631 to AA79262 represent sequence tags of human genomic DNA fragments containing polymorphic sites. The base occupying the polymorphic site is indicated using IUPAC-IUB nomenclature

XX Sequence 31 BP; 3 A; 8 C; 8 G; 11 T; 0 U; 1 Other;

XX SQ Query Match 56.8%; Score 14.2; DB 3; Length 31;
 Best Local Similarity 76.2%; Pred. No. 3.3e+03; Mismatches 4; Indels 0; Gaps 0;
 Matches 16; Conservative 1; MisMatches 4;

QY 1 TATTTAGGGGCTCGGCCCTT 21
 Db 9 TCTTCAGGGACTGCTCCCT 29

AC AAQ69655;
 XX DT 25-MAR-2003 (revised)
 ID 01-MAR-1995 (first entry)
 XX DE Human adenosine deaminase gene, target region.
 XX KW DNA protein-binding assay; test sequence; screening sequence; promoter;
 KW target; TATA box; Herpes Simplex Virus; HSV; origin of replication; UL9;
 KW transcription factor; TRIFID; ds.
 XX OS Synthetic.
 XX PN WO9414980-A1.
 XX DD 07-JUL-1994.
 XX FP 20-DEC-1993; 93WO-US012388.
 XX PR 23-DEC-1992; 92US-00996783.
 XX FR 17-SEP-1993; 93US-00123936.
 XX PA (GENE-) GENBLABS TECHNOLOGIES INC.
 XX PI Edwards CA, Cantor CR, Andrews BM, Turin LM, Fry KE;
 XX DR WPI; 1994-234711/28.
 XX PT Sequence-directed DNA-binding molecules - useful in pharmaceuticals and
 PT as molecular reagents.
 XX PS Claim 28; Page. 414; 587pp; English.
 XX A DNA protein-binding assay is provided, useful for screening libraries
 CC of synthetic or biological cDNA, for their ability to bind DNA test
 CC sequences. The assay is versatile in that any number of test sequences
 CC can be tested by placing the test sequence adjacent to a defined protein-
 CC binding screening sequence. Binding of mol. to these test sequences
 CC changes the binding characteristics of the protein mol. to its cognate
 CC binding sequence. When such a mol. binds the test sequence, the
 CC equilibrium of the DNA/protein complexes is disturbed, generating changes
 CC in the concentration of free DNA probe. One application of this method is
 CC to eukaryotic general transcription factors (e.g. TRIFID), where the
 CC target region is typically selected from DNA sequences adjacent to the
 CC binding site for the eukaryotic transcription factor. Numerous exemplary
 CC test sequences are given: the sequences in AAQ69251-731 and AAQ69850
 CC correspond to promoter targets (typically TATA box-contg. sites) for
 CC human genes and the sequences in AAQ69732-849 correspond to promoter
 CC targets for viral genes. The test sequences may also be randomly
 CC generated. DNA:protein interaction may be used for screening purposes,
 CC e.g. the Herpes Simplex Virus (HSV) origin of replication and UL9 (see
 CC AAQ69851-52, AAQ69865 and AAQ69891). (Updated on 25-MAR-2003 to correct
 CC PN field.)
 XX Sequence 49 BP; 6 A; 16 C; 24 G; 3 T; 0 U; 0 Other;
 XX SQ Query Match 56.8%; Score 14.2; DB 2; Length 49;
 Best Local Similarity 84.2%; Pred. No. 3.5e+03; Mismatches 3; Indels 0; Gaps 0;
 Matches 16; Conservative 0; MisMatches 3;

QY 7 GGGGCCTGCCCCCTTAATA 25
 Db 10 GGGGCCGGCCCGTTAAGA 28

RESULT 10
 AAQ69655-C
 ID AAQ69655 standard; DNA; 49 BP.
 XX AC AAQ69655;
 XX DT 25-MAR-2003 (revised)
 DT 01-MAR-1995 (first entry)

RESULT 9
 AAQ69655
 ID AAQ69655 standard; DNA; 49 BP.
 XX

XX Human adenosine deaminase gene, target region.
 DE
 XX
 KW DNA protein-binding assay; test sequence; screening sequence; promoter;
 target; TATA box; Herpes Simplex Virus; HSV; origin of replication; UL9;
 transcription factor; TFIID; ds.
 XX OS Synthetic.
 XX PN WO9414980-A1.
 PD 07-JUL-1994.
 XX PR 20-DEC-1993; 93WO-US012388.
 XX PR 23-DEC-1992; 92US-00996783.
 PR 17-SEP-1993; 93US-00123936.
 XX PA (GENE-) GENBLABS TECHNOLOGIES INC.
 PI Edwards CA, Cantor CR, Andrews BM, Turin LM, FRY KE;
 DR WPI; 1994-234711/28.
 XX PT Sequence-directed DNA-binding molecules - useful in pharmaceuticals and
 as molecular reagents.
 XX PS Claim 28; Page 414; 58pp; English.
 XX A DNA protein-binding assay is provided, useful for screening libraries
 CC of synthetic or biological cpds. for their ability to bind DNA test
 CC sequences. The assay is versatile in that any number of test sequences
 CC can be tested by placing the test sequence adjacent to a defined protein-
 CC binding screening sequence. Binding of mols. to these test sequences
 CC changes the binding characteristics of the protein mol. to its cognate
 CC binding sequence. When such a mol. binds the test sequence, the equilibrium of the DNA/protein complexes is disturbed, generating changes
 CC in the concentration of free DNA probe. One application of this method is
 CC to eucaryotic general transcription factors (e.g. TFIID) where the
 target region is typically selected from DNA sequences adjacent to the
 CC binding site for the eucaryotic transcription factor. Numerous exemplary
 CC test sequences are given: the sequences in AA069251-71 and AA06950
 CC correspond to promoter targets (typically, TATA box-cong. sites) for
 CC human genes and the sequences in AA069732-849 correspond to promoter
 targets for viral genes. The test sequences may also be randomly
 generated. DNA/protein interaction may be used for screening purposes,
 e.g. the Herpes Simplex Virus (HSV) origin of replication and UL9 (see
 CC AA06951-52, AA069865 and AA069891). (Updated on 25-MAR-2003 to correct
 CC PN field.)
 XX SQ Sequence 49 BP; 6 A; 16 C; 24 G; 3 T; 0 U; 0 Other;

Query Match 56.8%; Score 14.2; DB 2; Length 49;
 Best Local Similarity 84.2%; Pred. No. 3.5e+03;
 Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 1 TATTAAGGGCCCTGGCCC 19
 Db 28 TCTTAACGGGCGGCC 10

XX RESULT 11
 AAT64117
 ID AAT64117 standard; DNA; 49 BP.
 XX
 AC AAT64117;
 XX DT 25-MAR-2003 (revised)
 DT 17-MAR-1997 (first entry)
 XX DE Human adenosine deaminase gene TFIID binding site.
 XX KW Duplex DNA; target region; binding characteristic; DNA binding protein;
 TFIID; transcription factor; binding site; inhibition; enhance; cancer;

KW TFIID; transcription factor; binding site; inhibition; enhance; cancer;
 XX inherited genetic disorder; ds.
 XX OS Homo sapiens.
 PN US557844-A.
 PD 26-NOV-1996.
 XX PR 20-DEC-1993; 93US-00171389.
 XX PR 27-JUN-1991; 91US-00723118.
 PR 23-DEC-1992; 92US-00996783.
 PR 17-SEP-1993; 93US-00123936.
 XX PA (GENE-) GENBLABS TECHNOLOGIES INC.
 PI FRY KE, Turin LM, Andrews BM, Cantor CR, Edwards CA;
 DR WPI; 1997-020402/02.
 XX PT Altering binding characteristics of DNA binding proteins to duplex DNA -
 PT by attaching specific small cpd. to target region close to the protein's
 PT binding site, useful in treatment of viral disease, cancer etc.
 XX RS Claim 6; Col 305-306; 264pp; English.
 CC The sequences given in AAT63713-4312 represent duplex DNA's which act as
 CC target regions in the method of the invention. The method for altering
 CC the binding characteristics of a DNA-binding protein to duplex DNA
 CC comprises contacting the duplex DNA with a small molecule which binds
 CC specifically to a target region, where, when the small molecule
 CC is bound to the target region, it is adjacent to, but not overlapping by
 CC more than 4 bp, a binding site for a DNA-binding protein. The small
 CC molecule is added at a concentration effective to alter the binding of
 CC the DNA binding protein, pref. TFIID, to its binding site on the duplex
 CC DNA. The binding of the small molecule may inhibit or enhance the binding
 CC of the DNA-binding protein to its binding site. The compounds isolated
 CC using this method are potentially useful as therapeutic agents for
 CC treatment of any disease which involves a specific DNA sequence, e.g.
 CC cancer, or inherited genetic disorders etc. The method is suitable for
 CC screening large biological or chemical libraries and allows determination
 CC of sequence-specific and relative affinities of known DNA-binding agents
 CC for different DNA sequences. The design of those duplex DNA's allows a
 CC single DNA/protein interaction to be used for screening sequence-
 CC specific, or preferential, DNA binding proteins that recognise almost any
 CC possible sequence (see also AAT49539-74). (Updated on 25-MAR-2003 to
 CC correct PP field.)
 XX SQ Sequence 49 BP; 6 A; 16 C; 24 G; 3 T; 0 U; 0 Other;
 Query Match 56.8%; Score 14.2; DB 2; length 49;
 Best Local Similarity 84.2%; Pred. No. 3.5e+03;
 Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 OY 7 GGAGCTTGGCCCTTAATA 25
 Db 10 GGCCCGCCCTTAAAGA 28

RESULT 12
 AAT64117/c
 ID AAT64117 standard; DNA; 49 BP.
 XX AC AAT64117;
 XX DT 25-MAR-2003 (revised)
 DT 17-MAR-1997 (first entry)
 XX DE Human adenosine deaminase gene TFIID binding site.
 XX KW Duplex DNA; target region; binding characteristic; DNA binding protein;
 TFIID; transcription factor; binding site; inhibition; enhance; cancer;

KW inherited genetic disorder; ds.
 XX
 OS Homo sapiens.
 XX
 PN US5578444-A.
 XX
 PD 26-NOV-1996.
 XX
 PP 20-DEC-1993; 93US-00171389.
 XX
 PR 27-JUN-1991; 91US-00723618.
 XX
 PR 23-DEC-1992; 92US-0096583.
 PR 17-SEP-1993; 93US-00123936.
 XX
 PA (GENE-) GENELABS TECHNOLOGIES INC.
 XX
 PT FRY KB, Turin LM, Andrews BM, Cantor CR, Edwards CA;
 XX
 DR WPI; 1997-020402/02.
 XX
 PT Altering binding characteristics of DNA binding proteins to duplex DNA - by attaching specific small cpd. to target region close to the protein's binding site, useful in treatment of viral disease, cancer etc.
 XX
 PS Claim 6; Col 305-306; 264pp; English.

The sequences given in AMG63713-4312 represent duplex DNA's which act as target regions in the method of the invention. The method for altering the binding characteristics of a DNA-binding protein to duplex DNA comprises contacting the duplex DNA with a small molecule which binds sequence specifically to a target region, where, when the small molecule is bound to the target region, it is adjacent to, but not overlapping by more than 4 bp, a binding site for a DNA-binding protein. The small molecule is added at a concentration effective to alter the binding of the DNA binding protein, pref. TRIN, to its binding site on the duplex DNA. The binding of the small molecule may inhibit or enhance the binding of the DNA binding protein to its binding site. The compounds isolated using this method are potentially useful as therapeutic agents for treatment of any disease which involves a specific DNA sequence, e.g. cancer, or inherited genetic disorders etc. The method is suitable for screening large biological or chemical libraries and allows determination of sequence-specific and relative affinities of known DNA-binding agents for different DNA sequences. The design of these duplex DNA's allows a single DNA/protein interaction to be used for screening sequence-specific, or preferential, DNA binding proteins that recognise almost any possible sequence (see also AMG49539-74). (Updated on 25-MAR-2003 to correct PCT field.)

Sequence 49 BP; 6 A; 16 C; 24 G; 3 T; 0 U; 0 other;

Query Match 56.8%; Score 14.2; DB 2; Length 49;
 Best Local Similarity 84.2%; Pred. No. 3.5e+03;
 Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 1 .TATTAAGGGGCTGGCCCC 19
 Db 28 TCTTAACGGGGCC 10

RESULT 13
 AAX17405 standard; DNA; 49 BP.
 ID AAX17405;
 XX 06-MAY-1999 (first entry)
 DT Test sequence from human adenosine deaminase gene.
 KW Test sequence; DNA-binding molecule; screening sequence; human;
 KW nucleic acid amplification; target; viral; ds.
 XX
 DE Test sequence from human adenosine deaminase gene.
 KW Test sequence; DNA-binding molecule; screening sequence; human;
 KW nucleic acid amplification; target; viral; ds.
 XX
 OS Homo sapiens.

RESULT 14
 AAX17405/C
 ID AAX17405 standard; DNA; 49 BP.
 AC AAX17405;
 XX 06-MAY-1999 (first entry)
 DT Test sequence from human adenosine deaminase gene.
 KW Test sequence; DNA-binding molecule; screening sequence; human;
 KW nucleic acid amplification; target; viral; ds.
 XX
 OS Homo sapiens.
 PN US5869241-A.
 XX
 PD 09-FEB-1999.
 XX
 PR 07-JUN-1995; 95US-00475228.
 XX
 PR 27-JUN-1991; 91US-00723618.
 PR 23-DEC-1992; 92US-0096583.
 PR 17-SEP-1993; 93US-00123936.
 PR 20-DEC-1993; 93US-00171389.
 XX
 PA (GENE-) GENELABS TECHNOLOGIES INC.
 PI FRY KB, Turin LM, Andrews BM, Cantor CR, Edwards CA;
 XX
 DR WPI; 1999-152755/13.
 XX
 PT Determination of DNA sequence preference of a DNA-binding molecule - based on inhibition of binding of protein to oligonucleotide sequence attached to test sequence.
 XX
 PS Claim 3; Col 307-308; 270pp; English.

XX
 CC Sequences AAX17001 to AAX17600 represent specifically claimed target test sequences that are used in the method of the invention of determining the DNA sequence preference of a DNA-binding molecule. The method comprises:
 CC (i) adding a test molecule and DNA-binding protein to a mixture of duplex DNA test oligonucleotides, each of the test oligonucleotides having a test sequence adjacent to a screening sequence, where the screening sequence binds to the DNA-binding protein with a binding affinity that is independent of the DNA sequence of the test sequence,
 CC and where the mixture of duplex DNA test oligonucleotides includes several test sequences; (ii) incubating the test molecule, the mixture of duplex DNA test oligonucleotides and the DNA-binding protein for a time sufficient to permit binding of the test molecule to test sequences in the duplex DNA; (iii) separating unbound test oligonucleotides from test oligonucleotides bound to binding protein; (iv) amplifying the unbound test oligonucleotides; (v) repeating steps (ii) to (iv); (vi) isolating the amplified test oligonucleotides; and (vii) sequencing the isolated test oligonucleotides. Test sequences AAX17001-X17481 and AAX17600 correspond to promoter targets for human genes and test sequences AAX17082-X17599 correspond to promoter targets for viral genes.
 XX
 SQ Sequence 49 BP; 6 A; 16 C; 24 G; 3 T; 0 U; 0 other;
 Query Match 56.8%; Score 14.2; DB 2; Length 49;
 Best Local Similarity 84.2%; Pred. No. 3.5e+03;
 Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 OY 7 GGGGCCCTGGCCCTTATA 25
 Db 10 GGGGCCGGCCGTTAGA 28

XX
PF 07-JUN-1995; 95US-00475228.
XX
PR 27-JUN-1991; 91US-00723618.
PR 23-DEC-1992; 92US-00996783.
PR 17-SEP-1993; 93US-00123936.
PR 20-DEC-1993; 93US-00171389.
PR 07-JUN-1995; 95US-00482080.
XX
PA (GENE-) GENELABS TECHNOLOGIES INC.
PI FRY KB, Turin LM, Andrews BM, Cantor CR, Edwards CA;
XX DR WPI; 1999-152755/13.

XX PT Determination of DNA sequence preference of a DNA-binding molecule - based on inhibition of binding of protein to oligonucleotide sequence attached to test sequence.
XX PS Claim 3; Col 307-308; 270pp; English.

XX CC Sequences AX17001 to AX17600 represent specifically claimed target test sequences that are used in the method of the invention of determining the DNA sequence preference of a DNA-binding molecule. The method comprises:
CC (i) adding a test molecule and a DNA-binding protein to a mixture of duplex DNA test Oligonucleotides, each of the test oligonucleotides having a test sequence adjacent to a screening sequence, where the screening sequence binds to the DNA-binding protein with a binding affinity that is independent of the DNA sequence of the test sequence, and where the mixture of duplex DNA test oligonucleotides includes several test sequences; (ii) incubating the test molecule, the mixture of duplex DNA test Oligonucleotides and the DNA-binding protein for a time sufficient to permit binding of the test molecule to test sequences in the duplex DNA; (iii) separating unbound test oligonucleotides from test oligonucleotides bound to binding protein; (iv) amplifying the unbound test oligonucleotides; (v) repeating steps (ii) to (iv); (vi) isolating the amplified test oligonucleotides; and (vii) sequencing the isolated test oligonucleotides. Test sequences AX17001-XI7481 and AX17600 correspond to promoter targets for human genes and test sequences AX17482-XI7599 correspond to promoter targets for viral genes
XX SQ Sequence 49 BP; 6 A; 16 C; 24 G; 3 T; 0 U; 0 Other;

Query Match 56.8%; Score 14.2; DB 2; Length 49;
Best Local Similarity 84.2%; Pred. No. 3.5e+03;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TATTAAGGGCTGGCCCC 19
Db 28 TCTTAACCGGCCGCCCCC 10

RESULT 15

ABK82896
ID ABK82896 standard; DNA; 49 BP.
AC
XX
AC ABK82896;
XX DT 27-AUG-2002 (first entry)

DB DNA binding molecule screening method test sequence #405.

XX DNA binding molecule screening; inhibition of transcription; infection; human immunodeficiency virus; HIV; parasite; cancer; cardiovascular; respiratory; gastrointestinal; endocrine; metabolic; rheumatic; immunological; haematological; neurological; psychiatric; dermatological; ophthalmological; musculo-skeletal; urogenital disorder; ss.
XX OS Synthetic.
XX PN US6384208-B1.
XX PD 07-MAY-2002.

XX PF 15-JUL-1999; 99US-00354947.
XX PR 27-JUN-1991; 91US-00723618.
PR 23-DEC-1992; 92US-00996783.
PR 17-SEP-1993; 93US-00123936.
PR 20-DEC-1993; 93US-00171389.
PR 07-JUN-1995; 95US-00482080.
XX PA (GENE-) GENELABS TECHNOLOGIES INC.
PI Edwards CA, Cantor CR, Andrews BM, Turin LM, FRY KB;
XX DR WPI; 2002-442819/47.

XX PT Decreasing transcriptional activity of genes for treating infections or cancer, by administration of an agent that binds to two non-overlapping regions of the gene.
XX PS Example 15; SEQ ID NO 405; 98pp; English.

XX CC The invention relates to a method of decreasing transcriptional activity in a duplex deoxyribonucleic acid (DNA) template (T1) comprising contacting (T1) with a binding agent comprising at least one small duplex-DNA-binding molecule (T2) coupled to at least one other small duplex-binding molecule that binds to a non-overlapping region of target sequence (T3). The method is useful for inhibiting transcription of a range of disease-related genes for treating infections (by viruses, including human immunodeficiency virus, bacteria, fungi, protozoa and parasites), cancer, cardiovascular, respiratory, gastrointestinal, endocrine/metabolic, rheumatic/immunological, haematological, neurological, psychiatric, dermatological, ophthalmological, musculoskeletal, genetic or urogenital disorders. The method provides sequence-specific inhibition of transcription of pathological genes without affecting transcription of cellular genes regulated by the same transcription factor, and can be applied to regulation of any gene.
CC ABK8292-ABK83155 represent DNA binding molecule test sequences used in the method of the invention
XX SQ Sequence 49 BP; 6 A; 16 C; 24 G; 3 T; 0 U; 0 Other;

Query Match 56.8%; Score 14.2; DB 6; Length 49;
Best Local Similarity 84.2%; Pred. No. 3.5e+03;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 7 gggccctggcccttaata 25
Db 10 ggccccggccgttataa 28

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